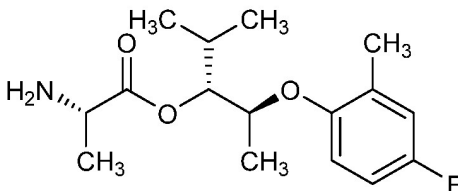
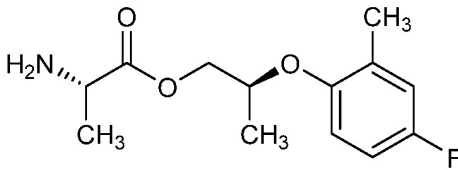
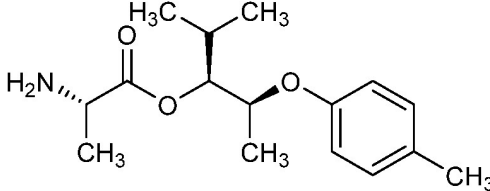
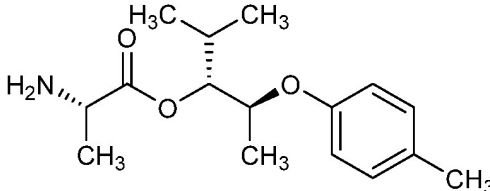
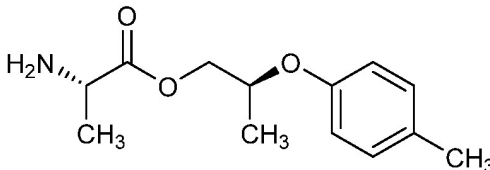
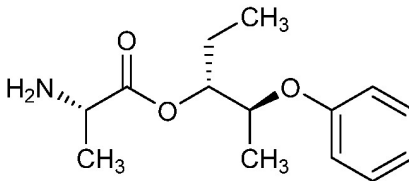
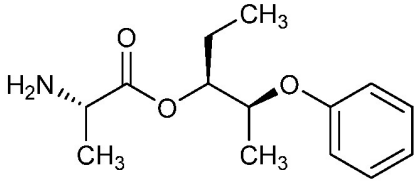
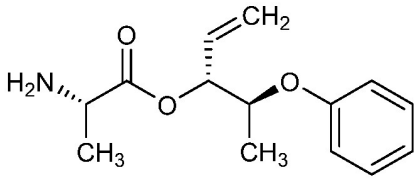
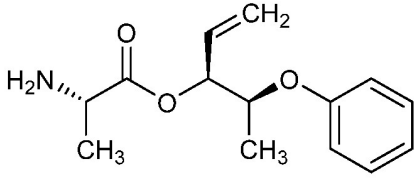
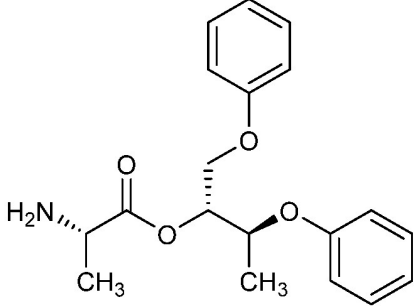
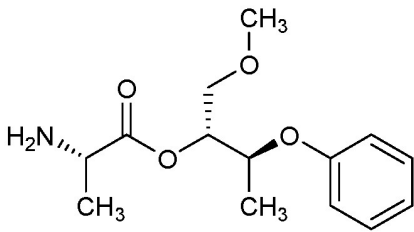


*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
299		Ejemplo 1B; Ejemplo 2; Ejemplo 3B; Ejemplo 4B; Ejemplo 5B; Ejemplo 6A; Ejemplo 7; Ejemplo 8; Ejemplo 9; Ejemplo 10; Ejemplo 11;	B; 2; B; B; Aceite ; Transparencia ; Incoloro ;
300		Ejemplo 1B; Ejemplo 2; Ejemplo 3B; Ejemplo 4B; Ejemplo 5B; Ejemplo 6A; Ejemplo 7; Ejemplo 8; Ejemplo 9; Ejemplo 10; Ejemplo 11;	B; 2; B; B; A; Aceite Transparencia ; D; Incoloro ;
301		Ejemplo 1B; Ejemplo 2; Ejemplo 3B; Ejemplo 4B; Ejemplo 5B; Ejemplo 6A; Ejemplo 7; Ejemplo 8; Ejemplo 9; Ejemplo 10; Ejemplo 11;	B; 2; B; B; A; Aceite Transparencia ; D; Incoloro ;

*Cmpd. No.	Structure	As Prepared According To	Appearance
302		Example 1D; Example 3A; Example 4A; Example 5A; Example 6C; Example 10C; Example 11.	Colorless Oil
303		Example 1D; Example 3A; Example 4A; Example 5A; Example 6C; Example 10C; Example 11.	Colorless Oil
304		Example 1D; Example 3A; Example 4A; Example 5A; Example 6C; Example 10C; Example 11.	Colorless Oil
305		Example 1D; Example 3A; Example 4A; Example 5A; Example 6C; Example 10C; Example 11.	Colorless Oil

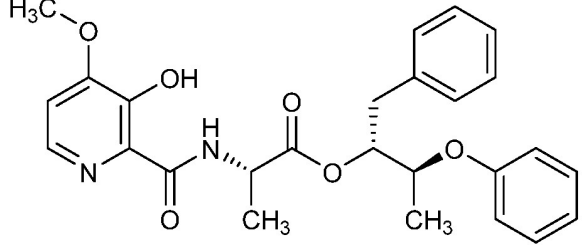
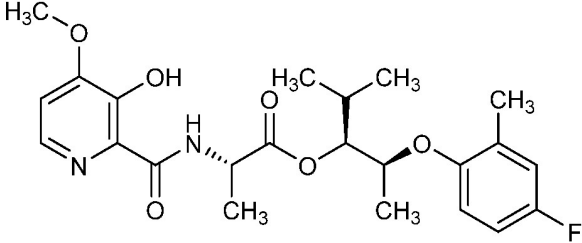
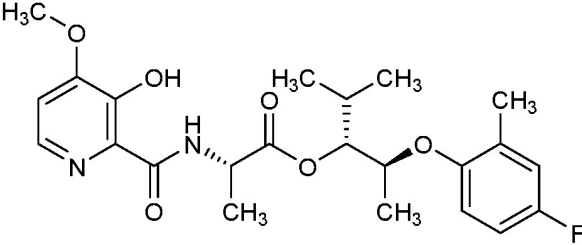
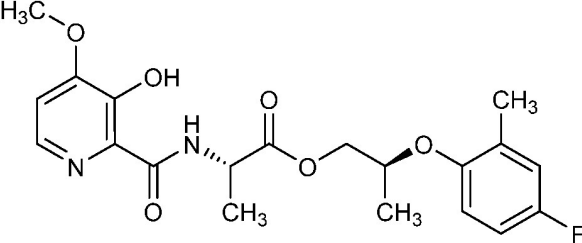
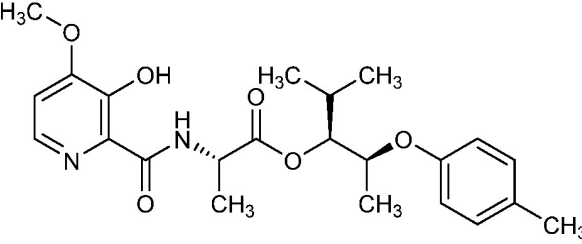
*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
306		Ejemplo 1D; Ejemplo 3A; Ejemplo 4A; Ejemplo 5A;	Aceite Incoloro
307		Ejemplo 1D; Ejemplo 3A; Ejemplo 4A; Ejemplo 5A;	Aceite Incoloro
308		Ejemplo 1D; Ejemplo 3A; Ejemplo 4A; Ejemplo 5A;	Aceite Incoloro
309		Ejemplo 13A, Paso 1.	Blancuzco Semi solido
310		Ejemplo 13A, Paso 1.	Aceite Transparente Incoloro

*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
311		Ejemplo 13A, Paso 1.	Blanco semi sólido
312		Ejemplo 13A, Paso 1.	Blanco Esponjos, o Semi solido
313		Ejemplo 13A, Paso 1.	Blanco semi sólido
314		Ejemplo 13A, Paso 1.	Blanco Esponjos, o Semi solido
315		Ejemplo 13A, Paso 1.	Blanco semi sólido
316		Ejemplo 13A, Paso 1.	Aceite Transparen te Incolor o

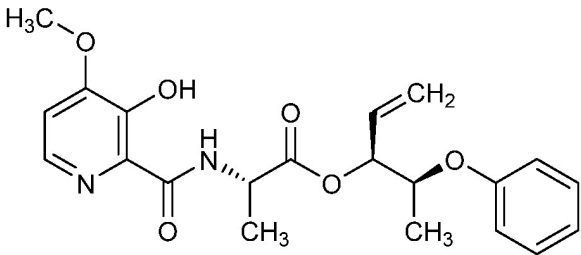
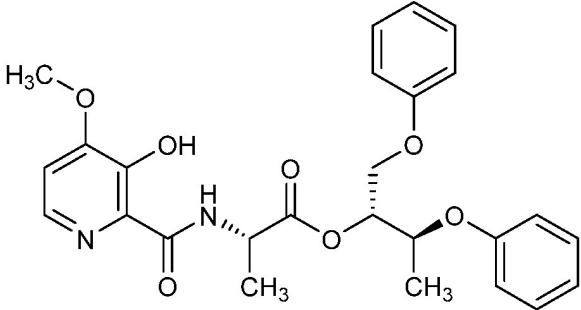
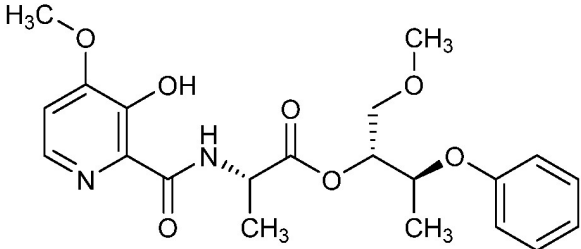
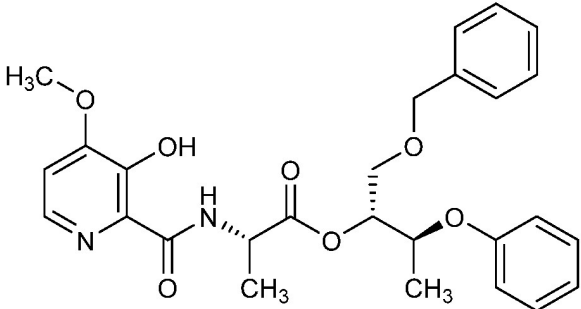
*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
317		Ejemplo 13A, Paso 1.	Blanco Semi solido
318		Ejemplo 13B, Paso 1.	Aceite Amarillo Claro
319		Ejemplo 13B, Paso 1.	Aceite Amarillo Claro
320		Ejemplo 13A, Paso 1.	Aceite Transparente Incoloro
321		Ejemplo 13A, Paso 1.	Blanco semi sólido

*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
322		Ejemplo 13A, Paso 1.	Aceite Amarillo
323		Ejemplo 13A, Paso 1.	Blanco semi sólido
324		Ejemplo 13A, Paso 1.	Aceite Transparente Incoloro
325		Ejemplo 13A, Paso 1.	Aceite Transparente Incoloro
326		Ejemplo 13A, Paso 1.	Aceite Espeso

*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
327		Ejemplo 13A, Paso 1.	Aceite Espeso
328		Ejemplo 13A, Paso 1.	Aceite Espeso
329		Ejemplo 13A, Paso 1.	Aceite Espeso
330		Ejemplo 13A, Paso 1.	Aceite Espeso
331		Ejemplo 13A, Paso 1.	Aceite Espeso
332		Ejemplo 13A, Paso 1.	Aceite Espeso

*No. Comp.	Estructura	Preparado de Acuerdo A	Aparienc ia
333		Ejemplo 13A, Paso 2.	Aceite Amarillo Claro
334		Ejemplo 13A, Paso 2.	Aceite Transparen te Incolor o
335		Ejemplo 13A, Paso 2.	Aceite Transparen te Incolor o
336		Ejemplo 13A, Paso 2.	Aceite Transparen te Incolor o
337		Ejemplo 13A, Paso 2.	Aceite Transparen te Incolor o

*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
338		Ejemplo 13A, Paso 2.	Aceite Transparente Incoloro
339		Ejemplo 13A, Paso 2.	Aceite Transparente Incoloro
340		Ejemplo 13A, Paso 2.	Aceite Transparente Incoloro
341		Ejemplo 13A, Paso 2.	Aceite Transparente Incoloro
342		Ejemplo 13A, Paso 2.	Aceite Transparente Incoloro

*No. Comp.	Estructura	Preparado de Acuerdo A	Aparienc ia
343		Ejemplo 13B, Paso 2.	Aceite Transparen te Incolor o
344		Ejemplo 13A, Paso 2.	Aceite Transparen te Incolor o
345		Ejemplo 13A, Paso 2.	Aceite Transparen te Incolor o
346		Ejemplo 13A, Paso 2.	Aceite Transparen te Incolor o

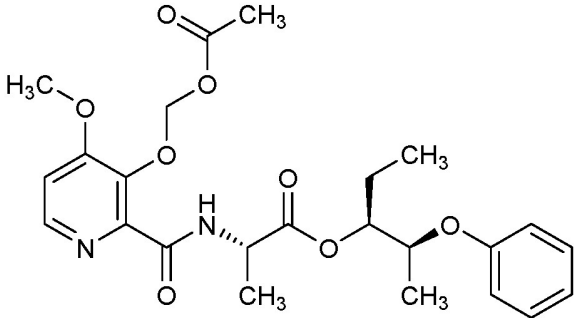
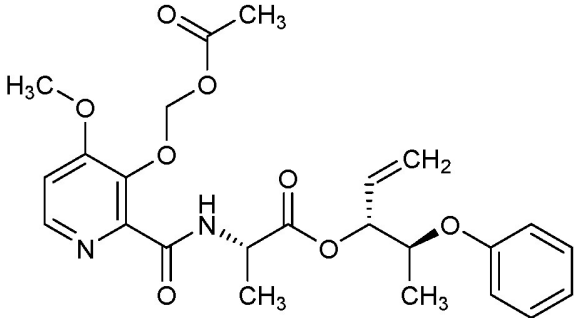
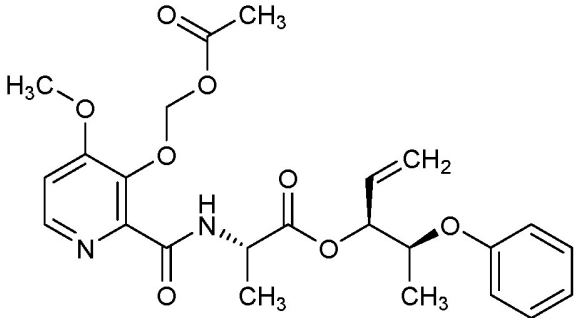
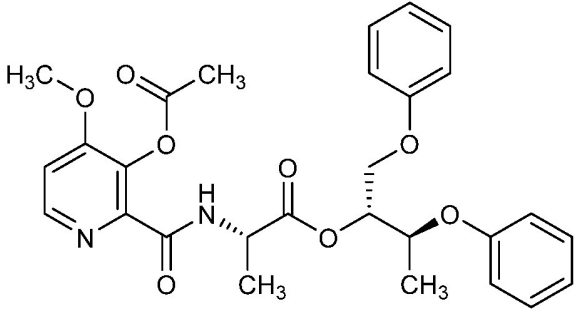
*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
347		Ejemplo 13A, Paso 2.	Semisólido blanco
348		Ejemplo 13A, Paso 2.	Aceite Transparente Incoloro
349		Ejemplo 13A, Paso 2.	Aceite Transparente Incoloro
350		Ejemplo 13A, Paso 2.	Aceite Espeso
351		Ejemplo 13A, Paso 2.	Aceite Espeso

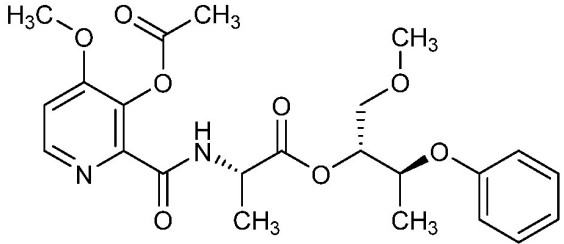
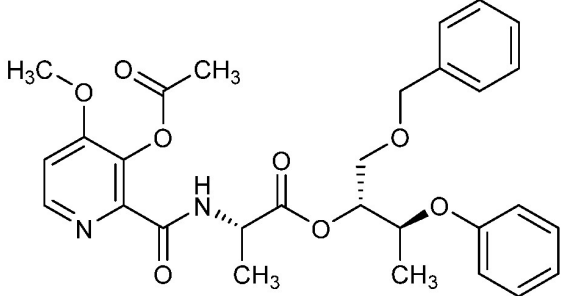
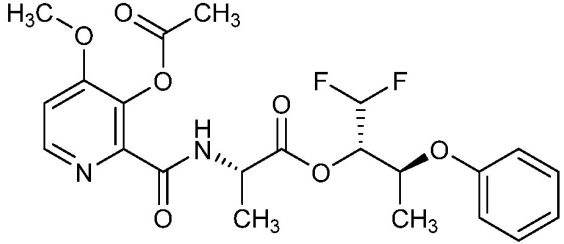
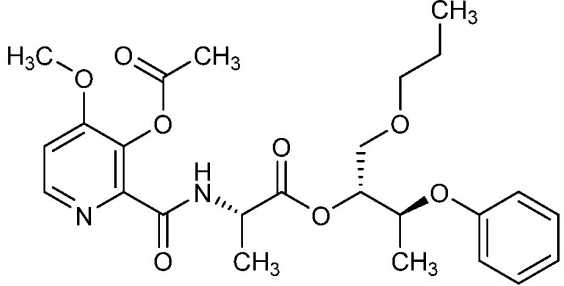
*No. Comp.	Estructura	Preparado de , Acuerdo A	Apariencia
352		Ejemplo 13A, Paso 2.	Aceite Espeso
353		Ejemplo 13A, Paso 2.	Aceite Espeso
354		Ejemplo 13A, Paso 2.	Aceite Espeso
355		Ejemplo 13A, Paso 2.	Aceite Espeso
356		Ejemplo 13A, Paso 2.	Aceite Espeso

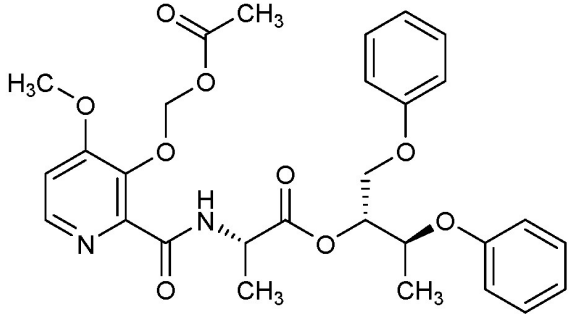
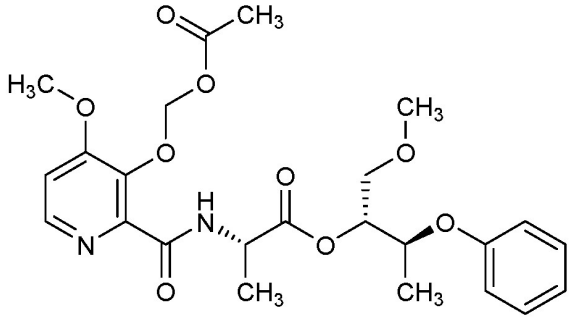
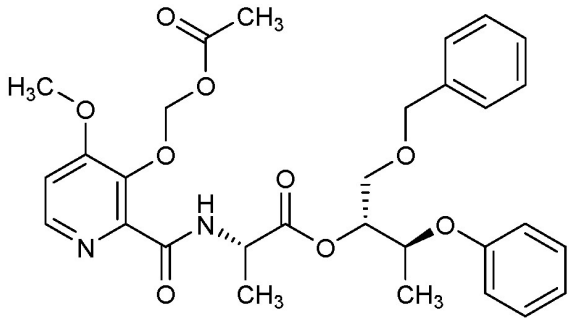
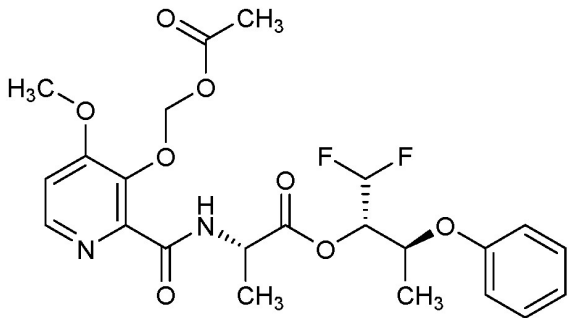
*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
357		Ejemplo 14A.	Aceite Transparente Incoloro
358		Ejemplo 14A.	Aceite Transparente Incoloro
359		Ejemplo 14A.	Aceite Transparente Incoloro
360		Ejemplo 14A.	Aceite Transparente Incoloro
361		Ejemplo 14A.	Aceite Amarillo Claro

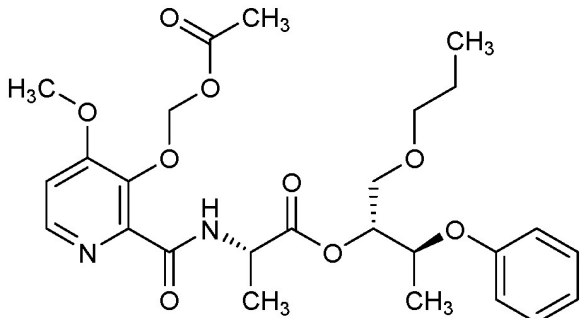
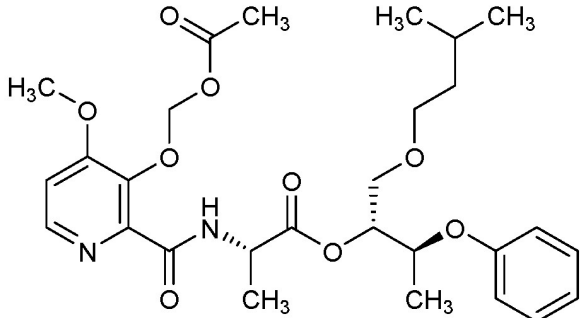
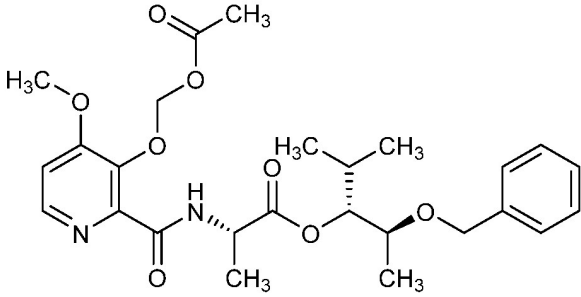
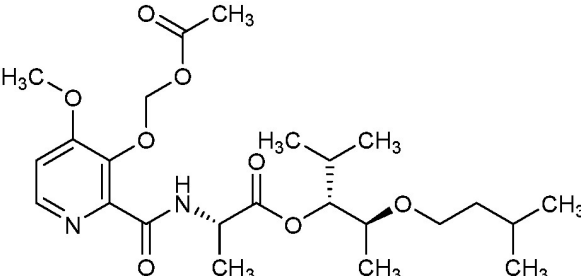
*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
362		Ejemplo 14A.	Aceite Amarillo Claro
363		Ejemplo 14A.	Aceite Transparente Incoloro
364		Ejemplo 14A.	Aceite Transparente Incoloro
365		Ejemplo 14A.	Aceite Transparente Incoloro
366		Ejemplo 14A.	Aceite Transparente Incoloro

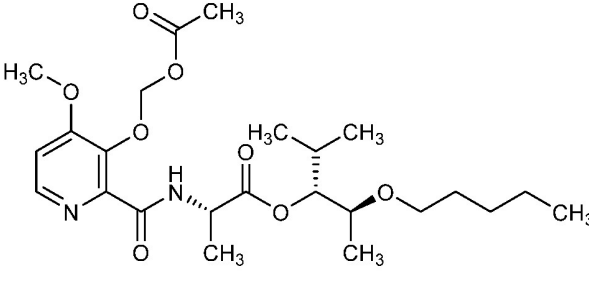
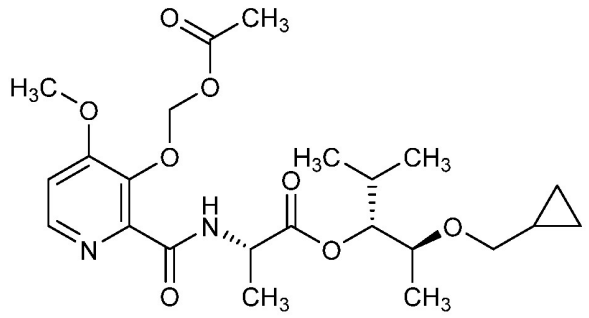
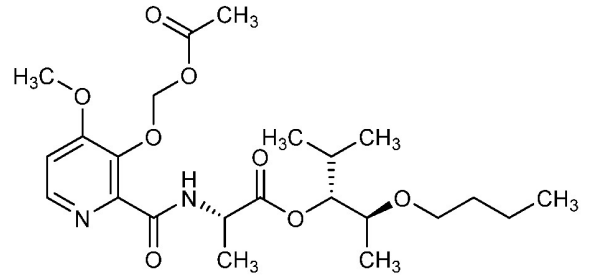
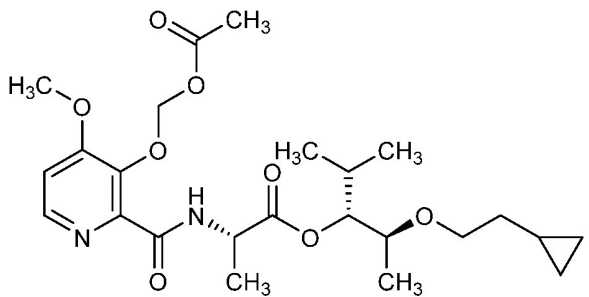
*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
367		Ejemplo 14B.	Aceite Amarillo Claro
368		Ejemplo 14B.	Aceite Transparente Incoloro
369		Ejemplo 14B.	Aceite Transparente Incoloro
370		Ejemplo 14B.	Aceite Amarillo Claro

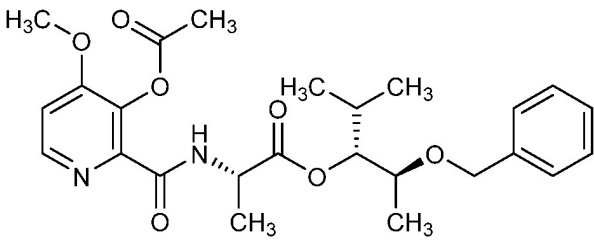
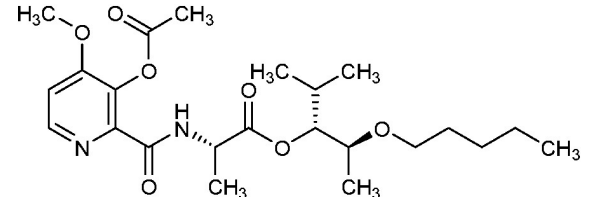
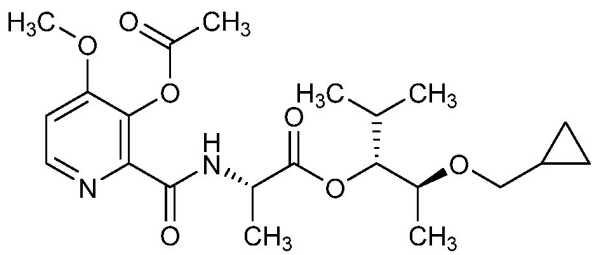
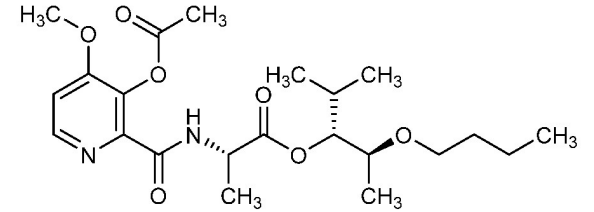
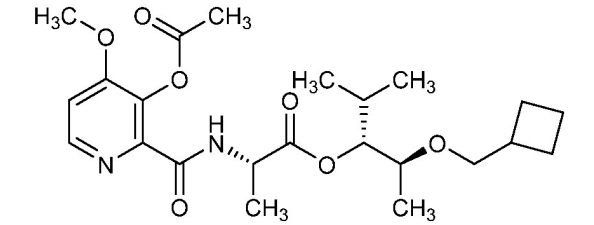
*No. Comp.	Estructura	Preparado de Acuerdo A'	Aparienc ia
375		Ejemplo 14B.	Aceite Transparen te Incolor o
376		Ejemplo 14B.	Aceite Amarillo Claro
377		Ejemplo 14B.	Aceite Transparen te Incolor o
378		Ejemplo 14A.	Aceite Amarillo Claro

*No. Comp.	Estructura	Preparado de Acuerdo A	Aparienc ia
379		Ejemplo 14A.	Aceite Amarillo Claro
380		Ejemplo 14A.	Aceite Transparen te Incolor o
381		Ejemplo 14A.	Aceite Transparent e Incoloro
382		Ejemplo 14A.	Aceite Transparent e Incoloro

*No. Comp.	Estructura	Preparado de Acuerdo A	Aparienc ia
383		Ejemplo 14B.	Aceite Amarillo Claro
384		Ejemplo 14B.	Aceite Transparente e Incoloro
385		Ejemplo 14B.	Aceite Transparente e Incoloro
386		Ejemplo 14B.	Aceite Transparente e Incoloro

*No. Comp.	Estructura	Preparado de Acuerdo A	Aparienc ia
387		Ejemplo 14B.	Aceite Transparente e Incoloro
388		Ejemplo 14B.	Aceite Transparente e Incoloro
389		Ejemplo 14B.	Aceite Espeso
390		Ejemplo 14B.	Aceite Espeso

*No. Comp.	Estructura	Preparado de Acuerdo A	Aparienc ia
391		Ejemplo 14B.	Aceite Espeso
392		Ejemplo 14B.	Aceite Espeso
393		Ejemplo 14B.	Aceite Espeso
394		Ejemplo 14B.	Aceite Espeso

*No. Comp.	Estructura	Preparado de Acuerdo A	Apariencia
395		Ejemplo 14A.	Aceite Espeso
396		Ejemplo 14A.	Aceite Espeso
397		Ejemplo 14A.	Aceite Espeso
398		Ejemplo 14A.	Aceite Espeso
399		Ejemplo 14A.	Aceite Espeso

*Comp. No. - Número de Compuesto

Tabla 2. Análisis de Datos

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
1	(Thin film) 3372, 2979, 1742, 1707, 1477, 1247, 1160, 1058	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₂₇ Cl ₂ NNaO ₅ , 454.1158; found, 454.1162	¹ H NMR (400 MHz, CDCl ₃) δ 7.36 (d, <i>J</i> = 2.6 Hz, 1H), 7.16 (dd, <i>J</i> = 8.8, 2.5 Hz, 1H), 6.89 (d, <i>J</i> = 8.8 Hz, 1H), 5.75 (ddt, <i>J</i> = 17.2, 10.1, 7.1 Hz, 1H), 5.24 – 4.93 (m, 4H), 4.46 (qd, <i>J</i> = 6.3, 4.3 Hz, 1H), 4.29 (p, <i>J</i> = 7.4 Hz, 1H), 2.54 (t, <i>J</i> = 6.8 Hz, 2H), 1.44 (s, 9H), 1.36 (d, <i>J</i> = 3.8 Hz, 3H), 1.34 (d, <i>J</i> = 2.9 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.80, 155.06, 152.09, 133.00, 130.19, 127.60, 126.55, 125.29, 118.43, 116.99, 79.77, 76.39, 75.20, 49.38, 34.22, 28.32, 18.57, 15.60.
2	(Thin film) 3368, 2963, 1712, 1493, 1239, 1163, 1057, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₁ NNaO ₅ , 388.2097; found, 388.2077	¹ H NMR (400 MHz, CDCl ₃) δ 7.33 – 7.19 (m, 2H), 7.00 – 6.91 (m, 1H), 6.91 – 6.81 (m, 2H), 5.09 (dt, <i>J</i> = 8.7, 4.2 Hz, 1H), 5.05 – 4.91 (m, 1H), 4.45 (qd, <i>J</i> = 6.3, 4.3 Hz, 1H), 4.29 (t, <i>J</i> = 7.6 Hz, 1H), 1.79 – 1.57 (m, 2H), 1.53 – 1.16 (m, 2H), 1.45 (s, 9H), 1.36 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.96, 157.80, 155.05, 129.51, 121.19, 116.26, 115.59, 79.71, 76.45, 74.82, 49.49, 31.85, 28.32, 18.66, 15.64, 12.01.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
3	(Thin film) 3362, 2976, 1712, 1493, 1238, 1162, 1066, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₉ H ₂₉ NNaO ₅ , 374.1938; found, 374.1936	¹ H NMR (400 MHz, CDCl ₃) δ 7.33 – 7.22 (m, 2H), 6.99 – 6.90 (m, 3H), 5.10 – 4.92 (m, 2H), 4.55 – 4.44 (m, 1H), 4.37 – 4.21 (m, 1H), 1.86 – 1.57 (m, 2H), 1.45 (s, 9H), 1.37 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.4 Hz, 3H), 0.92 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.16, 157.94, 155.03, 129.54, 121.09, 115.83, 79.69, 77.54, 73.54, 49.47, 28.34, 22.45, 18.78, 15.47, 9.75.
4	(Thin film) 3363, 2976, 1712, 1493, 1240, 1163, 1057, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₉ H ₂₉ NNaO ₅ , 374.1938; found, 374.1927	¹ H NMR (400 MHz, CDCl ₃) δ 7.30 – 7.21 (m, 2H), 6.93 (tt, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.88 – 6.81 (m, 2H), 5.17 – 4.99 (m, 2H), 4.44 (qd, <i>J</i> = 6.3, 4.3 Hz, 1H), 4.34 (q, <i>J</i> = 7.3 Hz, 1H), 1.79 – 1.68 (m, 2H), 1.44 (s, 9H), 1.37 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 (t, <i>J</i> = 7.5 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.08, 157.66, 155.04, 129.53, 121.18, 116.07, 79.72, 77.59, 74.33, 49.40, 28.34, 23.21, 18.81, 15.21, 9.86.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
5	(Thin film) 3363, 2963, 1713, 1493, 1240, 1163, 1057, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₁ NNaO ₅ , 388.2094; found, 388.2083	¹ H NMR (400 MHz, CDCl ₃) δ 7.32 – 7.21 (m, 2H), 6.98 – 6.90 (m, 3H), 5.18 – 5.06 (m, 1H), 5.01 (d, <i>J</i> = 7.9 Hz, 1H), 4.47 (qd, <i>J</i> = 6.3, 4.9 Hz, 1H), 4.38 – 4.19 (m, 1H), 1.73 – 1.61 (m, 2H), 1.45 (s, 9H), 1.42 – 1.23 (m, 8H), 0.91 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.11, 157.91, 155.02, 129.54, 121.09, 115.83, 79.70, 75.94, 73.68, 49.46, 31.39, 28.34, 18.74, 18.62, 15.42, 13.90.
6	(Thin film) 3362, 2963, 1713, 1494, 1242, 1164, 1066, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₁ NNaO ₅ , 388.2094; found, 388.2093	¹ H NMR (400 MHz, CDCl ₃) δ 7.32 – 7.18 (m, 2H), 6.93 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.89 – 6.80 (m, 2H), 5.21 – 5.04 (m, 2H), 4.43 (qd, <i>J</i> = 6.3, 4.1 Hz, 1H), 4.33 (p, <i>J</i> = 7.2 Hz, 1H), 1.78 – 1.56 (m, 2H), 1.44 (s, 9H), 1.41 – 1.22 (m, 8H), 0.93 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.05, 157.67, 155.02, 129.52, 121.18, 116.09, 79.71, 76.10, 74.70, 49.40, 32.16, 28.33, 18.84, 18.72, 15.15, 13.91.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
7	(Película Delgada) 3361, 2960, 1714, 1494, 1240, 1163, 1067, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₂₁ H ₃₃ NNaO ₅ , 402.2251;encontra 402.2233 ^Δ	¹ H _{RMN} (400 MHz, CDCl ₃) δ 7.32 – 7.22 (m, 2H), 6.99 – 6.90 (m, 3H), 5.21 (ddd, <i>J</i> = 10.2, 4.8, 3.0 Hz, 1H), 5.00 (d, <i>J</i> = 7.9 Hz, 1H), 4.51 – 4.41 (m, 1H), 4.37 – 4.22 (m, 1H), 1.68 (ddd, <i>J</i> = 14.1, 10.1, 4.4 Hz, 1H), 1.59 (dddd, <i>J</i> = 13.1, 10.9, ^{RMN} 1.5 Hz, 1H), 1.50 – 1.40 (m, 10H), 1.36 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 6.6 Hz, 3H), 0.87 (d, <i>J</i> = 6.4 Hz, 3H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 173.09, 157.84, 154.99, 129.54, 121.11, 115.85, 79.72, 74.32, 73.86, 49.45, 38.15, 28.34, 24.50, 23.50, 21.68, 18.72, 15.36.
8	(Película Delgada) 3361, 2960, 1714, 1494, 1241, 1165, 1054, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₂₁ H ₃₃ NNaO ₅ , 402.2251;encontra 402.2242 ^Δ	¹ H _{RMN} (400 MHz, CDCl ₃) δ 7.30 – 7.19 (m, 2H), 6.93 (tt, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.89 – 6.81 (m, 2H), 5.22 (dt, <i>J</i> = 10.0, 3.4 Hz, 1H), 5.10 (d, <i>J</i> = 7.9 Hz, 1H), 4.41 (qd, <i>J</i> = 6.3, 3.8 Hz, 1H), 4.32 (p, <i>J</i> = 7.2 Hz, 1H), 1.77 – 1.57 (m, 2H), 1.49 – 1.40 (m, 10H), 1.40 – 1.32 (m, 3H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (dd, <i>J</i> = 7.9, 6.4 Hz, 6H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 173.04, 157.70, 155.02, 129.52, 121.18, 116.10, 79.69, 75.12, 74.70, 49.39, 38.92, 28.33, 24.48, 23.47, 21.79, 18.87, 15.07.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
9	(Thin film) 3372, 2976, 1714, 1494, 1240, 1164, 1041, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₁ NNaO ₅ , 388.2094; found, 388.2092	¹ H NMR (400 MHz, CDCl ₃) δ 7.31 – 7.23 (m, 2H), 6.94 (tt, <i>J</i> = 7.5, 1.2 Hz, 1H), 6.91 – 6.86 (m, 2H), 5.01 – 4.91 (m, 1H), 4.52 (p, <i>J</i> = 6.2 Hz, 1H), 4.30 (t, <i>J</i> = 7.3 Hz, 1H), 2.19 – 2.06 (m, <i>J</i> = 6.1, 5.6 Hz, 1H), 1.49 – 1.41 (m, 10H), 1.37 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (dd, <i>J</i> = 6.8, 1.9 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.09, 158.01, 154.98, 129.53, 121.05, 115.79, 80.97, 79.63, 73.27, 49.50, 28.65, 28.36, 19.43, 18.80, 17.35, 16.15.
10	(Thin film) 3362, 2975, 1713, 1493, 1240, 1163, 1054, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₁ NNaO ₅ , 388.2094; found, 388.2093	¹ H NMR (400 MHz, CDCl ₃) δ 7.31 – 7.21 (m, 2H), 6.93 (tt, <i>J</i> = 7.4, 1.2 Hz, 1H), 6.87 – 6.80 (m, 2H), 5.13 (d, <i>J</i> = 7.9 Hz, 1H), 5.03 (dd, <i>J</i> = 6.7, 5.2 Hz, 1H), 4.57 – 4.48 (m, 1H), 4.37 (p, <i>J</i> = 7.4 Hz, 1H), 2.10 – 1.97 (m, 1H), 1.54 – 1.39 (m, 12H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 (dd, <i>J</i> = 18.1, 6.8 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.03, 157.37, 155.08, 129.54, 121.11, 115.85, 79.75, 72.63, 49.42, 28.94, 28.34, 19.11, 18.89, 17.79, 14.86.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
11	(Thin film) 3363, 2978, 1711, 1494, 1241, 1162, 1067, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₇ H ₂₅ NNaO ₅ , 346.1625; found, 346.1630	¹ H NMR (400 MHz, CDCl ₃) δ 7.35 – 7.20 (m, 2H), 7.00 – 6.87 (m, 3H), 5.11 – 4.90 (m, 1H), 4.67 – 4.55 (m, 1H), 4.28 (h, <i>J</i> = 7.3, 6.7 Hz, 3H), 1.43 (s, 9H), 1.34 (dd, <i>J</i> = 6.8, 3.4 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.16, 157.68, 155.04, 129.55, 121.33, 116.14, 79.81, 71.59, 67.48, 49.24, 28.32, 18.57, 16.84.
12	(Thin film) 3346, 2964, 1716, 1495, 1243, 1166, 1095, 752	ESIMS <i>m/z</i> 402.2 ([M+Na] ⁺)	¹ H NMR (400 MHz, CDCl ₃) δ 7.31 – 7.22 (m, 2H), 6.97 – 6.86 (m, 3H), 5.22 (ddd, <i>J</i> = 10.0, 5.1, 3.1 Hz, 1H), 5.08 (d, <i>J</i> = 7.8 Hz, 1H), 4.48 – 4.37 (m, 1H), 4.37 – 4.23 (m, 1H), 1.74 – 1.55 (m, 2H), 1.51 – 1.38 (m, 10H), 1.31 (d, <i>J</i> = 7.2 Hz, 3H), 1.26 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (d, <i>J</i> = 6.5 Hz, 3H), 0.88 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.17, 157.69, 129.54, 121.06, 115.73, 79.76, 74.44, 73.93, 49.42, 38.37, 28.34, 24.44, 23.49, 21.77, 18.82, 15.41.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
13	(Thin film) 3363, 2963, 1716, 1494, 1241, 1165, 1067, 753	ESIMS <i>m/z</i> 402.2 ([M+Na] ⁺)	¹ H NMR (400 MHz, CDCl ₃) δ 7.33 – 7.20 (m, 2H), 6.99 – 6.91 (m, 1H), 6.91 – 6.85 (m, 2H), 5.16 (ddd, <i>J</i> = 10.2, 4.1, 2.9 Hz, 1H), 4.97 (d, <i>J</i> = 8.0 Hz, 1H), 4.44 (qd, <i>J</i> = 6.3, 4.0 Hz, 1H), 4.36 – 4.20 (m, 1H), 1.73 (ddd, <i>J</i> = 14.2, 10.1, 4.3 Hz, 1H), 1.68 – 1.53 (m, 1H), 1.53 – 1.40 (m, 10H), 1.35 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.4 Hz, 3H), 0.92 (dd, <i>J</i> = 8.9, 6.6 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.95, 157.88, 155.04, 129.51, 121.22, 116.34, 79.70, 75.29, 75.07, 49.50, 38.63, 28.33, 24.45, 23.55, 21.62, 18.59, 15.58.
14	(Thin film) 3374, 2975, 1716, 1495, 1243, 1168, 1070, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₁ NNaO ₅ , 388.2094; found, 388.2106	¹ H NMR (400 MHz, CDCl ₃) δ 7.32 – 7.20 (m, 2H), 6.92 (td, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.90 – 6.84 (m, 2H), 5.08 (d, <i>J</i> = 7.7 Hz, 1H), 4.95 (t, <i>J</i> = 5.8 Hz, 1H), 4.52 (p, <i>J</i> = 6.2 Hz, 1H), 4.43 – 4.24 (m, 1H), 2.12 (h, <i>J</i> = 6.6 Hz, 1H), 1.44 (s, 9H), 1.29 (d, <i>J</i> = 7.1 Hz, 3H), 1.26 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 (dd, <i>J</i> = 6.9, 2.7 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.37, 157.76, 155.03, 129.53, 120.95, 115.61, 80.86, 73.02, 49.42, 28.60, 28.35, 19.44, 18.83, 17.22, 15.95.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
15	(Thin film) 3375, 2975, 1714, 1494, 1241, 1166, 1068, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₁ NNaO ₅ , 388.2094; found, 388.2060	¹ H NMR (400 MHz, CDCl ₃) δ 7.30 – 7.23 (m, 2H), 6.94 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.90 – 6.83 (m, 2H), 5.12 – 4.99 (m, 2H), 4.50 (p, <i>J</i> = 6.2 Hz, 1H), 4.36 (t, <i>J</i> = 7.4 Hz, 1H), 2.15 – 2.06 (m, 1H), 1.45 (s, 9H), 1.43 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.2 Hz, 3H), 0.95 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.93, 157.44, 155.09, 129.54, 121.12, 115.92, 79.89, 79.77, 72.62, 49.55, 28.72, 28.35, 19.35, 18.86, 17.08, 15.50.
16	(Thin film) 3356, 2931, 1716, 1495, 1243, 1166, 1068, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₂ H ₃₅ NNaO ₅ , 416.2407; found, 416.2403	¹ H NMR (400 MHz, CDCl ₃) δ 7.31 – 7.21 (m, 2H), 6.98 – 6.87 (m, 3H), 5.16 – 5.00 (m, 2H), 4.49 – 4.39 (m, 1H), 4.32 (t, <i>J</i> = 7.4 Hz, 1H), 1.78 – 1.55 (m, 3H), 1.44 (s, 9H), 1.35 – 1.21 (m, 11H), 0.90 – 0.83 (m, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.23, 157.76, 155.03, 129.54, 121.03, 115.71, 79.74, 76.28, 73.71, 49.41, 31.61, 29.47, 28.34, 24.90, 22.44, 18.82, 15.47, 13.96.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
17	(Thin film) 3363, 2931, 1716, 1494, 1242, 1167, 1067, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₂ H ₃₅ NNaO ₅ , 416.2407; found, 416.2409	¹ H NMR (400 MHz, CDCl ₃) δ 7.32 – 7.22 (m, 2H), 6.98 – 6.91 (m, 1H), 6.91 – 6.85 (m, 2H), 5.08 (td, <i>J</i> = 6.4, 4.5 Hz, 1H), 5.01 (d, <i>J</i> = 8.2 Hz, 1H), 4.44 (qd, <i>J</i> = 6.3, 4.4 Hz, 1H), 4.30 (dd, <i>J</i> = 11.2, 4.2 Hz, 1H), 1.70 (q, <i>J</i> = 7.0, 6.0 Hz, 2H), 1.45 (s, 10H), 1.37 (d, <i>J</i> = 7.2 Hz, 3H), 1.35 – 1.19 (m, 8H), 0.92 – 0.81 (m, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.95, 157.83, 155.04, 129.52, 121.21, 116.30, 79.70, 76.71, 74.86, 49.50, 31.57, 29.75, 28.34, 25.02, 22.44, 18.71, 15.64, 13.95.
18	(Thin film) 3377, 2963, 1717, 1495, 1242, 1166, 1068, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₂ H ₃₅ NNaO ₅ , 416.2407; found, 416.2401	¹ H NMR (400 MHz, CDCl ₃) δ 7.31 – 7.22 (m, 2H), 6.97 – 6.90 (m, 3H), 5.10 (dt, <i>J</i> = 9.0, 4.7 Hz, 1H), 5.01 (d, <i>J</i> = 7.3 Hz, 1H), 4.47 (qd, <i>J</i> = 6.3, 4.9 Hz, 1H), 4.37 – 4.21 (m, 1H), 1.77 – 1.55 (m, 2H), 1.45 (s, 9H), 1.37 (d, <i>J</i> = 7.2 Hz, 3H), 1.34 – 1.17 (m, 9H), 0.92 – 0.80 (m, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.12, 157.91, 154.99, 129.54, 121.10, 115.86, 79.71, 76.21, 73.70, 49.42, 31.56, 29.20, 28.35, 24.96, 22.43, 18.81, 15.43, 13.93.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
19	(Thin film) 3364, 2931, 1716, 1494, 1243, 1166, 1068, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₂ H ₃₅ NNaO ₅ , 416.2407; found, 416.2416	¹ H NMR (400 MHz, CDCl ₃) δ 7.32 – 7.21 (m, 2H), 6.93 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.90 – 6.78 (m, 2H), 5.12 (dq, <i>J</i> = 10.5, 6.2, 5.3 Hz, 2H), 4.42 (qd, <i>J</i> = 6.3, 4.1 Hz, 1H), 4.33 (p, <i>J</i> = 7.5 Hz, 1H), 1.76 – 1.60 (m, 2H), 1.44 (s, 9H), 1.41 – 1.34 (m, 4H), 1.29 (m, 8H), 0.93 – 0.82 (m, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.07, 157.68, 155.04, 129.52, 121.18, 116.10, 79.71, 76.33, 74.69, 49.42, 31.62, 30.05, 28.34, 25.08, 22.46, 18.84, 15.13, 13.97.
20	(Thin film) 3373, 2979, 1714, 1495, 1243, 1166, 1069, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₇ H ₂₅ NNaO ₅ , 346.1625; found, 346.1620	¹ H NMR (400 MHz, CDCl ₃) δ 7.34 – 7.22 (m, 2H), 7.01 – 6.83 (m, 3H), 5.06 (d, <i>J</i> = 7.8 Hz, 1H), 4.62 (pd, <i>J</i> = 6.3, 4.1 Hz, 1H), 4.45 – 4.23 (m, 2H), 4.17 (dd, <i>J</i> = 11.4, 4.2 Hz, 1H), 1.43 (s, 9H), 1.33 (d, <i>J</i> = 2.7 Hz, 3H), 1.32 (d, <i>J</i> = 3.6 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.20, 157.72, 155.08, 129.55, 121.31, 116.13, 79.80, 71.66, 67.57, 49.26, 28.32, 18.52, 16.75.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
21	(Thin film) 3369, 2979, 1713, 1493, 1241, 1164	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₂₉ NNaO ₅ , 386.1938; found, 386.1933	¹ H NMR (400 MHz, CDCl ₃) δ 7.32 – 7.22 (m, 3H), 6.98 – 6.86 (m, 3H), 4.99 (d, <i>J</i> = 7.7 Hz, 1H), 4.57 (qt, <i>J</i> = 5.8, 2.8 Hz, 1H), 4.47 (dd, <i>J</i> = 9.2, 3.6 Hz, 1H), 4.30 (dd, <i>J</i> = 10.9, 4.1 Hz, 1H), 1.44 (d, <i>J</i> = 2.5 Hz, 11H), 1.40 (d, <i>J</i> = 6.4 Hz, 3H), 1.36 (dd, <i>J</i> = 6.7, 2.5 Hz, 3H), 0.40 (dd, <i>J</i> = 4.9, 2.0 Hz, 2H).
22	(Thin film) 3361, 2929, 1714, 1494, 1242, 1166	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₃ H ₃₅ NNaO ₅ , 428.2407; found, 428.2386	¹ H NMR (400 MHz, CDCl ₃) δ 7.32 – 7.21 (m, 2H), 6.93 (td, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.90 – 6.83 (m, 2H), 5.11 (d, <i>J</i> = 7.9 Hz, 1H), 4.95 (dd, <i>J</i> = 6.4, 5.1 Hz, 1H), 4.64 – 4.49 (m, 1H), 4.35 (t, <i>J</i> = 7.5 Hz, 1H), 1.88 – 1.56 (m, 6H), 1.44 (s, 10H), 1.31 (d, <i>J</i> = 7.2 Hz, 3H), 1.25 (d, <i>J</i> = 6.3 Hz, 3H), 1.22 – 0.98 (m, 4H).
23	(Thin film) 3368, 2928, 1713, 1493, 1240, 1164	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₃ H ₃₅ NNaO ₅ , 428.2407; found, 428.2402	¹ H NMR (400 MHz, CDCl ₃) δ 7.30 – 7.22 (m, 2H), 6.97 – 6.82 (m, 3H), 5.08 (d, <i>J</i> = 8.7 Hz, 1H), 5.04 (t, <i>J</i> = 5.8 Hz, 1H), 4.53 (p, <i>J</i> = 6.1 Hz, 1H), 4.37 (q, <i>J</i> = 7.3 Hz, 1H), 1.81 – 1.58 (m, 6H), 1.45 (s, 9H), 1.43 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (dd, <i>J</i> = 6.2, 1.6 Hz, 3H), 1.27 – 0.98 (m, 5H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
24	(Thin film) 3381, 2977, 1714, 1505, 1208, 1167	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₀ FNNaO ₅ , 406.2000; found, 406.2001	¹ H NMR (400 MHz, CDCl ₃) δ 7.00 – 6.91 (m, 2H), 6.86 – 6.79 (m, 2H), 5.07 (d, <i>J</i> = 7.8 Hz, 1H), 4.93 (t, <i>J</i> = 5.8 Hz, 1H), 4.41 (p, <i>J</i> = 6.2 Hz, 1H), 2.11 (dq, <i>J</i> = 13.3, 6.6 Hz, 1H), 1.44 (s, 10H), 1.30 (d, <i>J</i> = 7.2 Hz, 3H), 1.24 (d, <i>J</i> = 6.4 Hz, 3H), 0.95 (dd, <i>J</i> = 6.8, 5.3 Hz, 6H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 123.45 .
25	(Thin film) 3371, 2975, 1712, 1504, 1207, 1165	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₀ FNNaO ₅ , 406.2000; found, 406.2000	¹ H NMR (400 MHz, CDCl ₃) δ 6.99 – 6.92 (m, 2H), 6.85 – 6.79 (m, 2H), 5.08 (d, <i>J</i> = 8.0 Hz, 1H), 5.00 (t, <i>J</i> = 5.8 Hz, 1H), 4.39 (h, <i>J</i> = 7.1, 6.6 Hz, 2H), 2.08 (td, <i>J</i> = 13.3, 6.7 Hz, 1H), 1.45 (s, 9H), 1.43 (d, <i>J</i> = 7.2 Hz, 3H), 1.27 (d, <i>J</i> = 6.1 Hz, 3H), 0.95 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.8 Hz, 3H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 123.19.
26	(Thin film) 3369, 2980, 1712, 1504, 1207, 1164	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₇ H ₂₄ FNNaO ₅ , 364.1531; found, 364.1530	¹ H NMR (400 MHz, CDCl ₃) δ 7.00 – 6.92 (m, 2H), 6.91 – 6.83 (m, 2H), 5.02 (d, <i>J</i> = 8.0 Hz, 1H), 4.52 (pd, <i>J</i> = 6.3, 4.1 Hz, 1H), 4.34 (dd, <i>J</i> = 11.5, 6.6 Hz, 2H), 4.17 (dd, <i>J</i> = 11.5, 4.1 Hz, 1H), 1.44 (s, 9H), 1.33 (dd, <i>J</i> = 9.1, 6.8 Hz, 6H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 122.87 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
27	(Thin film) 3358, 2979, 1712, 1494, 1240, 1162, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₃ H ₂₉ NNaO ₅ , 422.1938; found, 422.1936	¹ H NMR (400 MHz, CDCl ₃) δ 7.43 – 7.20 (m, 7H), 6.98 – 6.90 (m, 1H), 6.90 – 6.83 (m, 2H), 5.94 (d, <i>J</i> = 4.4 Hz, 1H), 4.99 (d, <i>J</i> = 8.0 Hz, 1H), 4.66 (qd, <i>J</i> = 6.3, 4.3 Hz, 1H), 4.41 (p, <i>J</i> = 7.4 Hz, 1H), 1.44 (s, 9H), 1.36 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.13, 157.73, 155.06, 136.69, 129.51, 128.31, 128.23, 127.14, 121.40, 116.45, 79.81, 77.96, 76.09, 49.31, 28.34, 18.47, 15.34.
28	(Thin film) 3355, 2978, 1713, 1494, 1240, 1163, 1066, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₃ H ₂₉ NNaO ₅ , 422.1938; found, 422.1941	¹ H NMR (400 MHz, CDCl ₃) δ 7.45 – 7.14 (m, 7H), 6.96 (ddd, <i>J</i> = 8.9, 7.2, 1.6 Hz, 3H), 5.93 (d, <i>J</i> = 6.9 Hz, 1H), 4.91 (d, <i>J</i> = 8.1 Hz, 1H), 4.68 (p, <i>J</i> = 6.4 Hz, 1H), 4.31 (p, <i>J</i> = 7.3 Hz, 1H), 1.43 (s, 9H), 1.30 (d, <i>J</i> = 7.1 Hz, 3H), 1.16 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.19, 158.12, 154.98, 136.55, 129.57, 128.54, 128.48, 127.39, 121.30, 116.14, 79.69, 78.86, 75.51, 49.25, 28.33, 18.50, 16.25.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
29	(Película Delgada) 3358, 2982, 1715, 1494, 1243, 1166, 1068	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₈ H ₂₇ NNaO ₅ , 360.1781; encontra 360.1768	¹ H RMN (400 MHz, CDCl ₃) δ 7.32 – 7.23 (m, 2H), 6.98 – 6.88 (m, 3H), 5.21 – 5.11 (m, 1H), 5.05 (d, <i>J</i> = 8.1 Hz, 1H), 4.42 (p, <i>J</i> = 6.2 Hz, 1H), 4.36 – 4.21 (m, 1H), 1.44 (s, 9H), 1.30 (app t, <i>J</i> = 5.9 Hz, 6H), 1.28 (d, <i>J</i> = 4.4 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.92, 157.80, 155.07, 129.55, 121.09, 115.78, 79.77, 74.55, 72.87, 49.39, 28.35, 18.74, 15.35, 15.26.
30	(Película Delgada) 3365, 2981, 1715, 1494, 1242, 1166	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₈ H ₂₇ NNaO ₅ , 360.1781; encontra 360.1763	¹ H RMN (400 MHz, CDCl ₃) δ 7.31 – 7.23 (m, 2H), 6.95 (tt, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.93 – 6.85 (m, 2H), 5.06 (qd, <i>J</i> = 6.5, 4.2 Hz, 1H), 4.96 (d, <i>J</i> = 7.8 Hz, 1H), 4.44 (qd, <i>J</i> = 6.3, 4.1 Hz, 1H), 4.39 – 4.17 (m, 1H), 1.44 (s, 9H), 1.35 – 1.28 (m, 9H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.64, 157.95, 155.06, 129.53, 121.27, 116.40, 79.76, 75.47, 73.66, 49.41, 28.34, 18.54, 15.81, 15.01.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
31	(Thin film) 3363, 2976, 1712, 1510, 1164, 1067	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₂₉ F ₂ NNaO ₅ , 424.1906; found, 424.1906	¹ H NMR (400 MHz, CDCl ₃) δ 7.00 (ddd, <i>J</i> = 10.6, 8.9, 5.3 Hz, 1H), 6.70 (ddd, <i>J</i> = 9.7, 6.6, 3.0 Hz, 1H), 6.61 (ddt, <i>J</i> = 8.8, 7.5, 3.1 Hz, 1H), 5.05 (q, <i>J</i> = 6.0 Hz, 2H), 4.47 (p, <i>J</i> = 6.1 Hz, 1H), 4.36 (p, <i>J</i> = 7.4 Hz, 1H), 2.16 – 2.00 (m, <i>J</i> = 6.8 Hz, 1H), 1.52 – 1.40 (m, 12H), 1.32 (d, <i>J</i> = 6.2 Hz, 3H), 0.96 (d, <i>J</i> = 7.0 Hz, 3H), 0.93 (d, <i>J</i> = 6.7 Hz, 3H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 116.82 (d, <i>J</i> = 15.2 Hz), -138.26 (d, <i>J</i> = 15.1 Hz).
32	(Thin film) 3367, 2977, 1712, 1325, 1252, 1162, 1111, 1066	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₁ H ₃₀ F ₃ NNaO ₅ , 456.1968; found, 456.1968	¹ H NMR (400 MHz, CDCl ₃) δ 7.53 (d, <i>J</i> = 8.5 Hz, 2H), 6.93 (d, <i>J</i> = 8.5 Hz, 2H), 5.11 – 4.99 (m, 2H), 4.57 (p, <i>J</i> = 6.1 Hz, 1H), 4.36 (p, <i>J</i> = 7.4 Hz, 1H), 2.08 (dq, <i>J</i> = 13.1, 6.6 Hz, 1H), 1.46 (s, 9H), 1.44 (d, <i>J</i> = 7.3 Hz, 3H), 1.32 (d, <i>J</i> = 6.1 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 61.58 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
33	(Thin film) 3373, 2974, 1712, 1489, 1163, 1133, 1067	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₀ FNNaO ₅ , 406.2000; found, 406.1997	¹ H NMR (400 MHz, CDCl ₃) δ 7.20 (td, <i>J</i> = 8.2, 6.8 Hz, 1H), 6.69 – 6.53 (m, 3H), 5.14 – 4.97 (m, 2H), 4.47 (p, <i>J</i> = 6.1 Hz, 1H), 4.36 (t, <i>J</i> = 7.5 Hz, 1H), 2.08 (dq, <i>J</i> = 13.3, 6.7 Hz, 1H), 1.45 (s, 9H), 1.43 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.2 Hz, 3H), 0.96 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.8 Hz, 3H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 111.58 .
34	(Thin film) 3359, 2975, 1714, 1497, 1250, 1165, 1060	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₁ H ₃₂ ClNNaO ₅ , 436.1861; found, 436.1861	¹ H NMR (400 MHz, CDCl ₃) δ 7.17 (d, <i>J</i> = 2.1 Hz, 1H), 6.97 (dd, <i>J</i> = 8.3, 2.1 Hz, 1H), 6.82 (d, <i>J</i> = 8.3 Hz, 1H), 5.16 – 5.05 (m, 1H), 4.47 (p, <i>J</i> = 6.1 Hz, 1H), 4.43 – 4.31 (m, 1H), 2.26 (s, 3H), 2.12 (dt, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.68 – 1.55 (m, 1H), 1.49 – 1.41 (m, 12H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H), 0.96 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
35	(Thin film) 3367, 2975, 1710, 1478, 1163, 1059	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₂₉ Cl ₂ NNaO ₅ , 456.1315; found, 456.1316	¹ H NMR (400 MHz, CDCl ₃) δ 7.35 (d, <i>J</i> = 2.5 Hz, 1H), 7.16 (dd, <i>J</i> = 8.8, 2.6 Hz, 1H), 6.85 (d, <i>J</i> = 8.8 Hz, 1H), 5.16 – 4.99 (m, 2H), 4.49 (p, <i>J</i> = 6.0 Hz, 1H), 4.38 (q, <i>J</i> = 7.4 Hz, 1H), 2.11 (h, <i>J</i> = 6.7 Hz, 1H), 1.47 – 1.41 (m, 12H), 1.32 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.92, 155.10, 151.85, 130.31, 127.54, 126.37, 125.23, 116.24, 79.78, 79.35, 74.75, 49.54, 28.76, 28.35, 19.26, 18.80, 17.49, 15.01.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
36	(Thin film) 3373, 2974, 1713, 1605, 1140, 1063	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₂₉ ClFNNaO ₅ , 440.1611; found, 440.1611	¹ H NMR (400 MHz, CDCl ₃) δ 6.72 – 6.63 (m, 2H), 6.49 (dt, <i>J</i> = 10.5, 2.3 Hz, 1H), 5.04 (d, <i>J</i> = 8.1 Hz, 1H), 5.00 (t, <i>J</i> = 5.8 Hz, 1H), 4.45 (p, <i>J</i> = 6.1 Hz, 1H), 4.35 (p, <i>J</i> = 7.5 Hz, 1H), 2.05 (dq, <i>J</i> = 13.5, 6.7 Hz, 1H), 1.46 (s, 9H), 1.43 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.97, 163.41 (d, <i>J</i> = 248.0 Hz), 159.01 (d, <i>J</i> = 12.3 Hz), 155.12, 135.49 (d, <i>J</i> = 13.4 Hz), 112.14 (d, <i>J</i> = 3.2 Hz), 109.04 (d, <i>J</i> = 25.3 Hz), 102.09 (d, <i>J</i> = 24.8 Hz), 79.89, 79.28, 73.49, 49.56, 28.78, 28.35, 19.22, 18.65, 17.34, 15.01. ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 110.00 .
37	(Thin film) 3370, 2974, 1713, 1477, 1163, 1068	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₀ H ₃₀ ClNNaO ₅ , 422.1705; found, 422.1705	¹ H NMR (400 MHz, CDCl ₃) δ 7.18 (t, <i>J</i> = 8.1 Hz, 1H), 6.96 – 6.90 (m, 1H), 6.90 – 6.83 (m, 1H), 6.75 (dd, <i>J</i> = 8.4, 2.4 Hz, 1H), 5.05 (d, <i>J</i> = 7.8 Hz, 1H), 5.01 (t, <i>J</i> = 5.9 Hz, 1H), 4.52 – 4.43 (m, 1H), 4.35 (q, <i>J</i> = 7.3 Hz, 1H), 2.08 (dq, <i>J</i> = 13.3, 6.8 Hz, 1H), 1.45 (s, 9H), 1.43 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.2 Hz, 3H), 0.96 (d, <i>J</i> = 7.0 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
38	(Thin film) 3345, 2974, 1714, 1506, 1228, 1166	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₁ H ₃₃ NNaO ₆ , 418.2200; found, 418.2202	¹ H NMR (400 MHz, CDCl ₃) δ 6.82 (d, <i>J</i> = 1.1 Hz, 4H), 5.10 (d, <i>J</i> = 8.0 Hz, 1H), 4.92 (t, <i>J</i> = 5.8 Hz, 1H), 4.37 (dt, <i>J</i> = 13.5, 6.7 Hz, 2H), 3.76 (d, <i>J</i> = 1.5 Hz, 3H), 2.12 (h, <i>J</i> = 6.6 Hz, 1H), 1.44 (s, 9H), 1.32 (d, <i>J</i> = 7.2 Hz, 3H), 1.22 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 (dd, <i>J</i> = 9.1, 6.8 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.37, 155.04, 154.13, 151.79, 117.12, 114.71, 80.97, 79.69, 74.19, 55.70, 49.43, 28.60, 28.35, 19.45, 18.91, 17.29, 15.99.
39	(Thin film) 3360, 2974, 1713, 1506, 1228, 1164	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₁ H ₃₃ NNaO ₆ , 418.2200; found, 418.2199	¹ H NMR (400 MHz, CDCl ₃) δ 6.81 (s, 4H), 5.11 (d, <i>J</i> = 8.0 Hz, 1H), 5.00 (t, <i>J</i> = 5.8 Hz, 1H), 4.36 (p, <i>J</i> = 6.2 Hz, 2H), 3.76 (s, 3H), 2.11 (h, <i>J</i> = 6.7 Hz, 1H), 1.45 (s, 9H), 1.43 (d, <i>J</i> = 7.6 Hz, 3H), 1.26 (d, <i>J</i> = 6.2 Hz, 3H), 0.93 (dd, <i>J</i> = 10.5, 6.8 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.93, 155.09, 154.28, 151.51, 117.53, 114.73, 79.91, 79.73, 73.98, 55.68, 49.58, 28.73, 28.35, 19.36, 18.85, 17.15, 15.54.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
40	(Thin film) 3361, 2978, 1713, 1506, 1228, 1165	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₈ H ₂₇ NNaO ₆ , 376.1731; found, 376.1732	¹ H NMR (400 MHz, CDCl ₃) δ 6.90 – 6.77 (m, 4H), 5.04 (d, <i>J</i> = 8.0 Hz, 1H), 4.47 (pd, <i>J</i> = 6.3, 4.1 Hz, 1H), 4.33 (dd, <i>J</i> = 11.6, 6.5 Hz, 2H), 4.16 (dd, <i>J</i> = 11.4, 4.1 Hz, 1H), 3.76 (s, 3H), 1.44 (s, 9H), 1.35 (d, <i>J</i> = 7.2 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 173.23, 155.08, 154.47, 151.72, 117.85, 114.73, 79.84, 73.06, 67.62, 55.70, 49.29, 28.34, 18.61, 16.85.
41	(Thin film) 3427, 3367, 2974, 2937, 2878, 1716, 1495, 1243.07, 1167	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₂ H ₃₅ NNaO ₅ , 416.2407; found, 416.2377	¹ H NMR (400 MHz, CDCl ₃) δ 7.36 – 7.18 (m, 3H), 6.92 (tt, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.89 – 6.84 (m, 2H), 5.19 (dd, <i>J</i> = 6.4, 4.7 Hz, 1H), 5.09 (d, <i>J</i> = 8.1 Hz, 1H), 4.55 (h, <i>J</i> = 6.3 Hz, 1H), 4.39 – 4.21 (m, 1H), 1.58 (s, 1H), 1.43 (s, 11H), 1.25 (dd, <i>J</i> = 13.1, 6.7 Hz, 7H), 0.92 (t, <i>J</i> = 7.5 Hz, 6H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
42	(Thin film) 3364, 2966, 2934, 2877,1713, 1494, 1240, 1164	HRMS–ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₂ H ₃₅ NNaO ₅ , 416.2384; found, 416.2407	¹ H NMR (400 MHz, CDCl ₃) δ 7.31 – 7.22 (m, 3H), 6.94 (tt, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.90 – 6.82 (m, 2H), 5.21 (dd, <i>J</i> = 6.6, 4.5 Hz, 1H), 5.08 (qd, <i>J</i> = 5.8, 3.9, 2.8 Hz, 1H), 4.53 (p, <i>J</i> = 6.2 Hz, 1H), 4.33 (q, <i>J</i> = 7.5 Hz, 1H), 1.70 – 1.60 (m, 1H), 1.54 (ddt, <i>J</i> = 14.0, 7.5, 4.0 Hz, 1H), 1.45 (s, 11H), 1.33 – 1.17 (m, 5H), 0.94 (t, <i>J</i> = 7.4 Hz, 3H), 0.86 (q, <i>J</i> = 8.1, 7.5 Hz, 4H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.93, 157.46, 155.07, 129.59, 121.19, 116.01, 79.74, 72.63, 49.62, 41.50, 28.30, 22.29, 21.16, 18.63, 15.88, 11.43.
43		ESIMS <i>m/z</i> 403.6 ([M+Na] ⁺)	¹ H NMR (300 MHz, CDCl ₃) δ 7.42 – 7.13 (m, 2H), 7.07 – 6.63 (m, 3H), 5.27 – 4.98 (m, 2H), 4.62 – 4.15 (m, 2H), 1.86 – 1.08 (m, 23H), 1.02 – 0.73 (m, 1H). ¹³ C NMR (75 MHz, CDCl ₃) δ 210.88, 172.86, 157.48, 155.05, 129.50, 121.10, 116.08, 78.73, 74.19, 40.83, 29.05, 28.33, 25.46, 24.94, 18.89, 15.00.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
44		ESIMS <i>m/z</i> 392.3 ([M+H] ⁺)	¹ H NMR (300 MHz, CDCl ₃) δ 7.40 – 7.16 (m, 3H), 7.04 – 6.81 (m, 4H), 5.27 – 4.97 (m, 2H), 4.47 (qd, <i>J</i> = 6.3, 4.5 Hz, 1H), 4.39 – 4.29 (m, 1H), 1.81 – 1.47 (m, 5H), 1.44 (s, 10H), 1.34 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 – 1.23 (m, 4H). ¹³ C NMR (75 MHz, CDCl ₃) δ 173.33, 157.73, 129.54, 120.93, 115.59, 100.47, 99.99, 79.74, 79.61, 73.63, 49.46, 40.21, 29.11, 28.34, 25.27, 25.03, 18.90, 15.97.
45		ESIMS <i>m/z</i> 414.3 ([M+H] ⁺)	¹ H NMR (300 MHz, CDCl ₃) δ 7.23 (dddt, <i>J</i> = 17.1, 10.5, 8.0, 4.5 Hz, 6H), 6.98 – 6.80 (m, 3H), 5.43 – 5.17 (m, 1H), 5.02 (dd, <i>J</i> = 23.9, 7.9 Hz, 1H), 4.56 – 4.02 (m, 2H), 3.21 – 2.75 (m, 2H), 1.43 (d, <i>J</i> = 4.1 Hz, 9H), 1.40 – 1.04 (m, 7H).
46	(Thin film) 3355, 2977, 2933, 1714, 1497, 1454, 1366, 1248, 1164, 1068, 699	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₂ H ₃₃ NO ₅ Na, 414.2251; found, 414.2253	¹ H NMR (400 MHz, CDCl ₃) δ 7.32 – 7.22 (m, 2H), 7.22 – 7.15 (m, 3H), 5.26 – 5.16 (m, 1H), 5.03 – 4.85 (m, 3H), 4.27 – 4.13 (m, 1H), 3.98 – 3.86 (m, 2H), 3.62 – 3.51 (m, 1H), 3.02 (dd, <i>J</i> = 14.2, 4.2 Hz, 1H), 2.89 (dd, <i>J</i> = 14.3, 9.5 Hz, 1H), 1.75 (t, <i>J</i> = 1.1 Hz, 3H), 1.42 (s, 9H), 1.21 (d, <i>J</i> = 6.4 Hz, 3H), 1.09 (d, <i>J</i> = 7.2 Hz, 3H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
47	(Thin film) 3354, 2975, 2934, 2876, 1715, 1497, 1454, 1366, 1165, 1105, 1069, 1021	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₁ H ₃₃ NO ₅ Na, 402.2251; found, 402.2252	¹ H NMR (400 MHz, CDCl ₃) δ 7.30 – 7.22 (m, 2H), 7.19 (d, <i>J</i> = 6.8 Hz, 3H), 5.24 – 5.10 (m, 1H), 4.94 (d, <i>J</i> = 7.8 Hz, 1H), 4.28 – 4.13 (m, 1H), 3.55 – 3.36 (m, 3H), 3.03 (dd, <i>J</i> = 14.4, 4.1 Hz, 1H), 2.87 (dd, <i>J</i> = 14.3, 9.4 Hz, 1H), 1.66 – 1.50 (m, 2H), 1.42 (s, 9H), 1.19 (d, <i>J</i> = 6.3 Hz, 3H), 1.08 (d, <i>J</i> = 7.2 Hz, 3H), 0.93 (t, <i>J</i> = 7.4 Hz, 3H).
48	(Thin film) 3364, 2958, 2932, 2871, 1714, 1497, 1454, 1365, 1343, 1306, 1248, 1164, 1104, 1068, 1021, 699	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₃ H ₃₇ NO ₅ Na, 430.2564; found, 430.2564	¹ H NMR (400 MHz, CDCl ₃) δ 7.34 – 7.23 (m, 2H), 7.21 – 7.15 (m, 3H), 5.25 – 5.14 (m, 1H), 4.94 (d, <i>J</i> = 7.9 Hz, 1H), 4.32 – 4.10 (m, 1H), 3.58 – 3.38 (m, 3H), 3.03 (dd, <i>J</i> = 14.2, 4.1 Hz, 1H), 2.87 (dd, <i>J</i> = 14.3, 9.4 Hz, 1H), 1.6 - 1.5 (m, 2H), 1.42 (s, 9H), 1.33 (h, <i>J</i> = 3.6 Hz, 4H), 1.19 (d, <i>J</i> = 6.4 Hz, 3H), 1.09 (d, <i>J</i> = 7.2 Hz, 3H), 0.95 – 0.85 (m, 3H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
49	(Thin film) 3363, 2975, 2935, 1714, 1499, 1451, 1366, 1248, 1165, 1068, 1022, 898	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₈ H ₃₃ NO ₅ Na, 361.2697; found, 361.2609	¹ H NMR (300 MHz, CDCl ₃) δ 5.11 (d, <i>J</i> = 7.7 Hz, 1H), 4.94 (d, <i>J</i> = 2.2 Hz, 1H), 4.85 (s, 1H), 4.75 (dd, <i>J</i> = 6.6, 5.0 Hz, 1H), 4.43 – 4.27 (m, 1H), 3.95 (d, <i>J</i> = 12.2 Hz, 1H), 3.77 (d, <i>J</i> = 12.3 Hz, 1H), 3.61 (p, <i>J</i> = 6.1 Hz, 1H), 2.06 (h, <i>J</i> = 6.8 Hz, 1H), 1.72 (s, 3H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.1 Hz, 3H), 1.16 – 1.09 (m, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H), 0.88 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 173.27, 155.03, 142.29, 111.93, 81.59, 79.65, 74.11, 72.89, 49.39, 28.42, 28.34, 19.68, 19.38, 18.94, 17.53, 15.59 .
50	(Thin film) 3363, 2974, 2935, 1714, 1500, 1453, 1366, 1340, 1248, 1166, 1103, 1066, 898	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₈ H ₃₃ NO ₅ Na, 361.2697; found, 361.2676	¹ H NMR (300 MHz, CDCl ₃) δ 5.10 (d, <i>J</i> = 7.9 Hz, 1H), 4.99 – 4.92 (m, 1H), 4.91 – 4.83 (m, 2H), 4.42 – 4.27 (m, 1H), 3.92 (d, <i>J</i> = 12.3 Hz, 1H), 3.84 (d, <i>J</i> = 12.5 Hz, 1H), 3.62 – 3.51 (m, 1H), 2.02 (h, <i>J</i> = 6.8 Hz, 1H), 1.72 (d, <i>J</i> = 1.1 Hz, 3H), 1.44 (s, 9H), 1.42 (d, <i>J</i> = 7.2 Hz, 3H), 1.14 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 3.8 Hz, 3H), 0.89 (d, <i>J</i> = 4.0 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 172.98, 155.05, 142.36, 112.07, 79.75, 79.66, 73.61, 72.64, 49.52, 28.64, 28.33, 19.60, 19.33, 18.98, 17.51, 15.09 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
51	(Película Delgada) 3357, 2975, 2936, 2877, 1715, 1502, 1454, 1366, 1248, 1166, 1092, 1065, 1021, 924	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₇ H ₃₁ NO ₅ Na, 352.2094; encontra-se 352.2094	¹ H _{RMN} (400 MHz, CDCl ₃) δ 5.87 (ddt, <i>J</i> = 17.3, 10.8, 5.5 Hz, 1H), 5.25 (dq, <i>J</i> = 17.3, 1.7 Hz, 1H), 5.19 – 5.02 (m, 2H), 4.87 (t, <i>J</i> = 5.8 Hz, 1H), 4.40 – 4.26 (m, 1H), 4.06 – 3.93 (m, 2H), 3.63 – 3.53 (m, 1H), 2.02 (h, <i>J</i> = 6.8 Hz, 1H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.1 Hz, 3H), 1.13 (d, <i>J</i> = 6.3 Hz, 3H), 0.91 (d, <i>J</i> = 5.1 Hz, 4H), 0.90 (d, <i>J</i> = 5.2 Hz, 4H). ¹³ C _{RMN} (126 MHz, CDCl ₃) δ 172.98, 155.04, 134.92, 116.76, 79.68, 73.60, 69.62, 49.53, 28.62, 28.33, 19.31, 18.96, 17.52, 15.17.
52	(Película Delgada) 3372, 2977, 1714, 1503, 1456, 1367, 1308, 1263, 1168, 1122, 1067, 960	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₈ H ₃₀ F ₃ NO ₅ Na, 420.1968; encontra-se 420.1968	¹ H _{RMN} (400 MHz, CDCl ₃) δ 6.38 (dt, <i>J</i> = 14.4, 4.2, 2.1 Hz, 1H), 5.96 – 5.77 (m, 1H), 5.04 (d, <i>J</i> = 7.9 Hz, 1H), 4.88 (dd, <i>J</i> = 6.7, 4.9 Hz, 1H), 4.41 – 4.25 (m, 1H), 4.16 – 4.04 (m, 2H), 3.61 (qd, <i>J</i> = 6.3, 4.8 Hz, 1H), 1.98 (h, <i>J</i> = 6.8 Hz, 1H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.2 Hz, 3H), 1.17 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 6.9 Hz, 3H). ¹³ C _{RMN} (126 MHz, CDCl ₃) δ 173.02, 155.05, 136.65 (q, <i>J</i> = 6.3 Hz), 126.63 – 119.78 (m), 118.38 (q, <i>J</i> = 34.7, 34.1 Hz), 79.77, 79.28, 74.98, 66.43, 49.51, 28.69, 28.30, 19.21, 18.84, 17.85, 14.82.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
53	(Película Delgada) 3359, 2973, 2934, 1712, 1496, 1449, 1366, 1339, 1208, 1164, 1103, 1064, 966, 743, 692	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd PO C ₂₃ H ₃₅ NO ₅ Na. 428.2407; encontra 428.2410	¹ H RMN (400 MHz, CDCl ₃) δ 7.43 – 7.36 (m, 2H), 7.35 – 7.27 (m, 2H), 7.25 (d, <i>J</i> = 11.6 Hz, 1H), 6.58 (dd, <i>J</i> = 16.0, 1.5 Hz, 1H), 6.25 (dt, <i>J</i> = 15.9, 6.0 Hz, 1H), 5.09 (d, <i>J</i> = 7.9 Hz, 1H), 4.91 (t, <i>J</i> = 5.8 Hz, 1H), 4.43 – 4.28 (m, 1H), 4.24 – 4.10 (m, 2H), 3.65 (p, <i>J</i> = 6.2 Hz, 1H), 2.10 – 1.98 (m, 1H), 1.44 (s, 9H), 1.42 (d, <i>J</i> = 7.4 Hz, 3H), 1.17 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 – 0.79 (m, 6H). ¹³ C RMN (126 MHz, CDCl ₃) δ 173.01, 155.05, 136.72, 132.19, 128.52, 127.62, 126.48, 126.23, 79.67, 73.59, 69.29, 49.55, 28.65, 28.33, 19.33, 18.97, 17.55, 15.26 .
54	(Película Delgada) 3372, 2975, 2872, 1715, 1497, 1454, 1365, 1343, 1248, 1164, 1107, 1068, 1029, 699	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd PO C ₂₂ H ₃₅ NO ₅ Na, 416.2407; encontra 416.2409	¹ H RMN (400 MHz, CDCl ₃) δ 7.29 – 7.23 (m, 2H), 7.22 – 7.15 (m, 3H), 5.26 – 5.13 (m, 1H), 4.93 (d, <i>J</i> = 7.7 Hz, 1H), 4.27 – 4.10 (m, 1H), 3.53 – 3.43 (m, 1H), 3.34 – 3.15 (m, 2H), 3.04 (dd, <i>J</i> = 14.3, 4.1 Hz, 1H), 2.87 (dd, <i>J</i> = 14.3, 9.4 Hz, 1H), 1.82 (dp, <i>J</i> = 13.3, 6.7 Hz, 1H), 1.42 (s, 9H), 1.18 (d, <i>J</i> = 6.4 Hz, 3H), 1.08 (d, <i>J</i> = 7.2 Hz, 3H), 0.92 (d, <i>J</i> = 4.5 Hz, 3H), 0.90 (d, <i>J</i> = 4.5 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.68, 154.96, 137.45, 129.33, 128.30, 126.45, 79.64, 76.34, 49.26, 36.17, 28.79, 28.31, 19.44, 19.39, 18.54, 15.88 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
55	(Película De la grada) 3359, 2965, 2875, 1716, 1504, 1455, 1366, 1339, 1296, 1248, 1168, 1102, 1066, 1023	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₈ H ₃₅ NO ₅ Na, 368.2407; ^{encontra} 368.2404	¹ H RMN (400 MHz, CDCl ₃) δ 5.08 (d, <i>J</i> = 8.0 Hz, 1H), 4.85 (t, <i>J</i> = 5.8 Hz, 1H), 4.38 – 4.26 (m, 1H), 3.47 (p, <i>J</i> = 6.2 Hz, 1H), 3.24 (dd, <i>J</i> = 8.6, 6.3 Hz, 1H), 3.13 (dd, <i>J</i> = 8.7, 6.7 Hz, 1H), 2.04 (dq, <i>J</i> = 13.2, 6.6 Hz, 1H), 1.77 (dp, <i>J</i> = 13.2, 6.6 Hz, 1H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.2 Hz, 3H), 1.11 (d, <i>J</i> = 6.2 Hz, 3H), 0.92 – 0.81 (m, 12H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.96, 155.07, 79.99, 79.65, 75.89, 74.45, 49.52, 28.76, 28.53, 28.33, 19.43, 19.38, 18.98, 17.21, 15.27 .
56	(Película De la grada) 3359, 2967, 2936, 2877, 1716, 1502, 1455, 1366, 1340, 1248, 1167, 1107, 1066, 1021	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₇ H ₃₃ NO ₅ Na, 354.2251; ^{encontra} 354.2251	¹ H RMN (400 MHz, CDCl ₃) δ 5.09 (d, <i>J</i> = 7.8 Hz, 1H), 4.85 (t, <i>J</i> = 5.9 Hz, 1H), 4.39 – 4.22 (m, 1H), 3.49 (p, <i>J</i> = 6.2 Hz, 1H), 3.46 – 3.27 (m, 2H), 2.03 (h, <i>J</i> = 6.7 Hz, 1H), 1.59 – 1.48 (m, 2H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.2 Hz, 3H), 1.11 (d, <i>J</i> = 6.2 Hz, 3H), 0.94 – 0.86 (m, 9H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.97, 155.07, 79.86, 79.65, 74.27, 70.63, 49.53, 28.57, 28.33, 23.22, 19.34, 18.98, 17.32, 15.34, 10.66 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
57	(Thin film) 2973, 2880, 1715, 1505, 1367, 1252, 1233, 1167, 1103, 1067, 1030	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₈ H ₃₂ F ₃ NO ₅ Na, 422.2125; found, 422.2125	¹ H NMR (300 MHz, CDCl ₃) δ 5.05 (d, <i>J</i> = 7.7 Hz, 1H), 4.84 (dd, <i>J</i> = 6.4, 5.2 Hz, 1H), 4.33 (t, <i>J</i> = 7.4 Hz, 1H), 3.57 – 3.40 (m, 3H), 2.26 – 2.05 (m, 2H), 1.97 (h, <i>J</i> = 6.7 Hz, 1H), 1.84 – 1.70 (m, 2H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.2 Hz, 3H), 1.12 (d, <i>J</i> = 6.3 Hz, 3H), 0.90 (d, <i>J</i> = 6.8 Hz, 6H). ¹³ C NMR (126 MHz, CDCl ₃) δ 173.02, 155.06, 130.91 – 123.48 (m), 79.73, 79.48, 74.68, 66.91, 49.49, 30.75 (q, <i>J</i> = 28.7 Hz), 28.65, 28.30, 22.73 (q, <i>J</i> = 3.0 Hz), 19.25, 18.88, 17.67, 14.96 .
58	(Thin film) 3359, 2972, 2934, 2876, 1714, 1496, 1453, 1366, 1247, 1165, 1103, 1064, 1021, 699	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₂₃ H ₃₇ NO ₅ Na, 430.2564; found, 430.2567	¹ H NMR (300 MHz, CDCl ₃) δ 7.39 – 7.22 (m, 2H), 7.22 – 7.12 (m, 3H), 5.09 (d, <i>J</i> = 7.8 Hz, 1H), 4.86 (t, <i>J</i> = 5.8 Hz, 1H), 4.34 (t, <i>J</i> = 7.3 Hz, 1H), 3.58 – 3.34 (m, 3H), 2.66 (td, <i>J</i> = 7.4, 2.1 Hz, 2H), 2.03 (h, <i>J</i> = 6.7 Hz, 1H), 1.84 (tt, <i>J</i> = 7.6, 6.3 Hz, 2H), 1.49 – 1.38 (m, 12H), 1.12 (d, <i>J</i> = 6.2 Hz, 3H), 0.92 (d, <i>J</i> = 4.0 Hz, 3H), 0.89 (d, <i>J</i> = 4.1 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 172.98, 155.05, 142.04, 128.45, 128.29, 125.72, 79.88, 79.67, 74.41, 68.02, 49.54, 32.37, 31.61, 28.60, 28.32, 19.35, 18.98, 17.42, 15.27 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
59	(Thin film) 3358, 2976, 2935, 2876, 1714, 1500, 1452, 1366, 1248, 1167, 1067, 918, 734	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₇ H ₃₁ NO ₅ Na, 352.2094; found, 352.2096	¹ H NMR (400 MHz, CDCl ₃) δ 5.96 – 5.80 (m, 1H), 5.25 (dq, <i>J</i> = 17.2, 1.7 Hz, 1H), 5.21 – 5.09 (m, 2H), 4.74 (t, <i>J</i> = 5.8 Hz, 1H), 4.41 – 4.30 (m, 1H), 4.11 – 4.05 (m, 1H), 3.87 (ddt, <i>J</i> = 12.7, 5.8, 1.5 Hz, 1H), 3.61 (p, <i>J</i> = 6.2 Hz, 1H), 2.04 (h, <i>J</i> = 6.6 Hz, 1H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.2 Hz, 3H), 1.12 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H), 0.88 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 173.31, 155.04, 134.94, 116.73, 81.47, 79.65, 73.98, 69.87, 49.37, 28.40, 28.34, 19.41, 19.00, 17.33, 15.63 .
60	(Thin film) 3351, 2977, 2937, 1713, 1506, 1455, 1368, 1309, 1262, 1167, 1119, 910, 733	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₈ H ₃₀ F ₃ NO ₅ Na, 420.1968; found, 420.1969	¹ H NMR (400 MHz, CDCl ₃) δ 6.39 (ddq, <i>J</i> = 15.7, 3.9, 1.9 Hz, 1H), 5.96 – 5.83 (m, 1H), 5.07 (d, <i>J</i> = 7.9 Hz, 1H), 4.78 (t, <i>J</i> = 5.8 Hz, 1H), 4.40 – 4.30 (m, 1H), 4.26 – 4.16 (m, 1H), 4.02 – 3.90 (m, 1H), 3.62 (p, <i>J</i> = 6.2 Hz, 1H), 2.03 (h, <i>J</i> = 6.6 Hz, 1H), 1.44 (s, 9H), 1.38 (d, <i>J</i> = 7.2 Hz, 3H), 1.15 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H), 0.89 (d, <i>J</i> = 6.8 Hz, 3H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
61	(Thin film) 3370, 2974, 2874, 1717, 1500, 1454, 1366, 1249, 1210, 1168, 1068, 734	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₈ H ₃₅ NO ₅ Na, 368.2407; found, 368.2409	¹ H NMR (400 MHz, CDCl ₃) δ 5.12 (d, <i>J</i> = 8.1 Hz, 1H), 4.72 (dd, <i>J</i> = 6.7, 5.1 Hz, 1H), 4.41 – 4.31 (m, 1H), 3.56 – 3.49 (m, 1H), 3.29 (dd, <i>J</i> = 8.7, 6.4 Hz, 1H), 3.02 (dd, <i>J</i> = 8.7, 6.8 Hz, 1H), 2.06 (h, <i>J</i> = 6.7 Hz, 1H), 1.79 (dp, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.44 (s, 9H), 1.42 (d, <i>J</i> = 7.2 Hz, 3H), 1.09 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 – 0.84 (m, 12H). ¹³ C NMR (126 MHz, CDCl ₃) δ 173.20, 155.02, 81.72, 79.63, 75.95, 74.53, 49.40, 28.79, 28.34, 19.50, 19.45, 19.36, 19.03, 17.57, 15.52 .
62	(Thin film) 3370, 2972, 1733, 1506, 1451, 1366, 1168, 1092, 1068, 1023, 911, 734	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₇ H ₃₃ NO ₅ Na, 354.2251; found, 354.2251	¹ H NMR (400 MHz, CDCl ₃) δ 5.12 (s, 1H), 4.72 (t, <i>J</i> = 5.8 Hz, 1H), 4.43 – 4.25 (m, 1H), 3.60 – 3.44 (m, 2H), 3.23 (dt, <i>J</i> = 8.9, 6.8 Hz, 1H), 2.11 – 1.97 (m, 1H), 1.61 – 1.48 (m, 2H), 1.44 (s, 9H), 1.42 (d, <i>J</i> = 7.2 Hz, 3H), 1.10 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (d, <i>J</i> = 6.8 Hz, 3H), 0.92 – 0.85 (m, 6H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
63	(Thin film) 3358, 2978, 1735, 1506, 1452, 1368, 1252, 1167, 1067, 912, 734	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd for C ₁₈ H ₃₂ F ₃ NO ₅ Na, 422.2125; found, 422.2126	¹ H NMR (400 MHz, CDCl ₃) δ 5.08 (d, <i>J</i> = 7.7 Hz, 1H), 4.72 (dd, <i>J</i> = 6.5, 5.2 Hz, 1H), 4.43 – 4.31 (m, 1H), 3.56 (h, <i>J</i> = 6.3 Hz, 2H), 3.33 (dt, <i>J</i> = 9.1, 6.1 Hz, 1H), 2.23 – 2.08 (m, 2H), 2.02 (dq, <i>J</i> = 13.3, 6.5 Hz, 1H), 1.85 – 1.73 (m, 2H), 1.45 (s, 9H), 1.41 (d, <i>J</i> = 7.1 Hz, 3H), 1.10 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (d, <i>J</i> = 6.8 Hz, 3H), 0.88 (d, <i>J</i> = 6.6 Hz, 3H).
64		ESIMS <i>m/z</i> 266.5 ([M+H] ⁺)	
65		ESIMS <i>m/z</i> 332.4 ([M+H] ⁺)	
66	(Thin film) 2971, 1743, 1598, 1493, 1230, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₄ H ₂₂ NO ₃ , 252.1594; found, 252.1586	¹ H NMR (500 MHz, Methanol- d ₄) δ 7.27 (t, <i>J</i> = 7.8 Hz, 2H), 6.99 – 6.89 (m, 3H), 5.11 (ddd, <i>J</i> = 9.3, 5.5, 4.2 Hz, 1H), 4.59 (p, <i>J</i> = 6.1 Hz, 1H), 3.94 (q, <i>J</i> = 7.2 Hz, 1H), 1.84 (ddp, <i>J</i> = 15.2, 7.7, 3.7 Hz, 1H), 1.74 (ddd, <i>J</i> = 14.0, 8.6, 7.1 Hz, 1H), 1.54 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H), 0.96 (t, <i>J</i> = 7.4 Hz, 3H) (no NH protons observed).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
67	(Thin film) 3391, 2974, 1745, 1493, 1233, 752	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₄ H ₂₂ NO ₃ , 252.1594; found, 252.1585	¹ H NMR (500 MHz, Methanol- d ₄) δ 7.26 (dd, <i>J</i> = 8.4, 7.1 Hz, 2H), 6.93 (t, <i>J</i> = 7.4 Hz, 1H), 6.90 (d, <i>J</i> = 8.1 Hz, 2H), 5.18 (dt, <i>J</i> = 8.5, 4.0 Hz, 1H), 4.60 (qd, <i>J</i> = 6.3, 3.3 Hz, 1H), 4.13 (q, <i>J</i> = 7.2 Hz, 1H), 1.85 – 1.68 (m, 2H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.4 Hz, 3H), 0.98 (t, <i>J</i> = 7.4 Hz, 3H) (no NH protons observed).
68	(Thin film) 2959, 1743, 1598, 1493, 1229, 1110, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₅ H ₂₄ NO ₃ , 266.1751; found, 266.1742	¹ H NMR (500 MHz, Methanol- d ₄) δ 7.27 (t, <i>J</i> = 7.9 Hz, 2H), 6.93 (dd, <i>J</i> = 7.9, 6.2 Hz, 3H), 5.20 (dt, <i>J</i> = 7.8, 5.3 Hz, 1H), 4.58 (p, <i>J</i> = 6.1 Hz, 1H), 3.94 (q, <i>J</i> = 7.2 Hz, 1H), 1.74 (q, <i>J</i> = 8.3, 7.6 Hz, 2H), 1.52 (d, <i>J</i> = 7.3 Hz, 3H), 1.47 – 1.31 (m, 2H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 (t, <i>J</i> = 7.4 Hz, 3H) (no NH protons observed).
69	(Thin film) 2872, 1755, 1497, 1214, 1114, 747	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₅ H ₂₄ NO ₃ , 266.1751; found, 266.1738	¹ H NMR (500 MHz, Methanol- d ₄) δ 7.26 (t, <i>J</i> = 7.8 Hz, 2H), 6.93 (t, <i>J</i> = 7.5 Hz, 1H), 6.89 (d, <i>J</i> = 8.2 Hz, 2H), 5.28 (dt, <i>J</i> = 8.4, 3.8 Hz, 1H), 4.59 (qd, <i>J</i> = 6.3, 3.2 Hz, 1H), 4.11 (q, <i>J</i> = 7.2 Hz, 1H), 1.79 – 1.63 (m, 2H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.50 – 1.34 (m, 2H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H), 0.97 (t, <i>J</i> = 7.4 Hz, 3H) (no NH protons observed).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
70	(Thin film) 2958, 1742, 1598, 1494, 1229, 1118, 752	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₆ H ₂₆ NO ₃ , 280.1907; found, 280.1901	¹ H NMR (500 MHz, Methanol- d ₄) δ 7.27 (dd, <i>J</i> = 8.6, 7.1 Hz, 2H), 6.94 (t, <i>J</i> = 7.9 Hz, 3H), 5.28 (ddd, <i>J</i> = 9.7, 5.2, 3.1 Hz, 1H), 4.56 (p, <i>J</i> = 6.3 Hz, 1H), 3.92 (q, <i>J</i> = 7.2 Hz, 1H), 1.74 (ddd, <i>J</i> = 14.3, 10.0, 4.3 Hz, 1H), 1.67 – 1.55 (m, 1H), 1.55 – 1.46 (m, 4H), 1.28 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (dd, <i>J</i> = 22.5, 6.5 Hz, 6H) (no NH protons observed).
71	(Thin film) 2958, 1746, 1598, 1509, 1494, 1230, 1117, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₆ H ₂₆ NO ₃ , 280.1907; found, 280.1899	¹ H NMR (500 MHz, Methanol- d ₄) δ 7.26 (t, <i>J</i> = 7.8 Hz, 2H), 6.93 (t, <i>J</i> = 7.4 Hz, 1H), 6.89 (d, <i>J</i> = 8.1 Hz, 2H), 5.37 (dt, <i>J</i> = 10.1, 3.2 Hz, 1H), 4.57 (qd, <i>J</i> = 6.3, 3.0 Hz, 1H), 4.11 (q, <i>J</i> = 7.2 Hz, 1H), 1.78 – 1.60 (m, 2H), 1.52 (d, <i>J</i> = 7.3 Hz, 3H), 1.50 – 1.44 (m, 1H), 1.32 (d, <i>J</i> = 6.4 Hz, 3H), 0.96 (apparent t, <i>J</i> = 5.9 Hz, 6H) (no NH protons observed).
72	(Thin film) 2968, 1744, 1611, 1474, 1320, 1236, 1113, 1068	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₅ H ₂₄ NO ₃ , 266.1751; found, 266.1740	¹ H NMR (500 MHz, Methanol- d ₄) δ 7.27 (t, <i>J</i> = 7.9 Hz, 2H), 6.92 (d, <i>J</i> = 7.9 Hz, 3H), 5.03 (t, <i>J</i> = 5.6 Hz, 1H), 4.67 (p, <i>J</i> = 6.2 Hz, 1H), 3.87 (q, <i>J</i> = 7.2 Hz, 1H), 2.17 (dq, <i>J</i> = 13.2, 6.8 Hz, 1H), 1.54 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H), 0.98 (dd, <i>J</i> = 12.2, 6.8 Hz, 6H) (no NH protons observed).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
73	(Thin film) 2965, 2878, 1748, 1598, 1493, 1229, 1114, 751	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₅ H ₂₄ NO ₃ , 266.1751; found, 266.1751	¹ H NMR (500 MHz, Methanol- d ₄) δ 7.26 (t, <i>J</i> = 7.7 Hz, 2H), 6.93 (t, <i>J</i> = 7.4 Hz, 1H), 6.89 (d, <i>J</i> = 8.2 Hz, 2H), 5.08 (dd, <i>J</i> = 8.0, 4.1 Hz, 1H), 4.75 – 4.65 (m, 1H), 4.18 (q, <i>J</i> = 7.3 Hz, 1H), 2.03 (h, <i>J</i> = 6.9 Hz, 1H), 1.62 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.2 Hz, 3H), 1.03 (d, <i>J</i> = 6.9 Hz, 3H), 0.96 (d, <i>J</i> = 6.6 Hz, 3H) (no NH protons observed).
74	(Thin film) 2931, 1747, 1597, 1494, 1229, 1117, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₂ H ₁₈ NO ₃ , 224.1281; found, 224.1270	¹ H NMR (500 MHz, Methanol- d ₄) δ 7.27 (t, <i>J</i> = 7.8 Hz, 2H), 6.94 (dd, <i>J</i> = 8.0, 6.3 Hz, 3H), 4.74 (pd, <i>J</i> = 6.4, 3.4 Hz, 1H), 4.43 (dd, <i>J</i> = 11.6, 3.5 Hz, 1H), 4.35 (dd, <i>J</i> = 11.6, 6.4 Hz, 1H), 4.05 (q, <i>J</i> = 7.2 Hz, 1H), 1.48 (d, <i>J</i> = 7.2 Hz, 3H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H) (no NH protons observed).
75		ESIMS <i>m/z</i> 280.2 ([M+H] ⁺)	
76		ESIMS <i>m/z</i> 280.2 ([M+H] ⁺)	
77		ESIMS <i>m/z</i> 266.2 ([M+H] ⁺)	
78		ESIMS <i>m/z</i> 266.3 ([M+H] ⁺)	

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
79		ESIMS m/z 294.2 ([M+H] ⁺)	
80		ESIMS m/z 294.2 ([M+H] ⁺)	
81		ESIMS m/z 294.2 ([M+H] ⁺)	
82		ESIMS m/z 294.2 ([M+H] ⁺)	
83		ESIMS m/z 224.1 ([M+H] ⁺)	
84		ESIMS m/z 264.2 ([M+H] ⁺)	
85		ESIMS m/z 306.3 ([M+H] ⁺)	
86		ESIMS m/z 306.3 ([M+H] ⁺)	
87		ESIMS m/z 284.2 ([M+H] ⁺)	
88		ESIMS m/z 284.2 ([M+H] ⁺)	

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
89		ESIMS <i>m/z</i> 242.2 ([M+H] ⁺)	
90		ESIMS <i>m/z</i> 300.2 ([M+H] ⁺)	
91		ESIMS <i>m/z</i> 300.2 ([M+H] ⁺)	
92		ESIMS <i>m/z</i> 238.2 ([M+H] ⁺)	
93		ESIMS <i>m/z</i> 238.2 ([M+H] ⁺)	
94		ESIMS <i>m/z</i> 302.2 ([M+H] ⁺)	
95		ESIMS <i>m/z</i> 334.2 ([M+H] ⁺)	
96		ESIMS <i>m/z</i> 284.2 ([M+H] ⁺)	
97		ESIMS <i>m/z</i> 314.2 ([M+H] ⁺)	
98		ESIMS <i>m/z</i> 334.1 ([M+H] ⁺)	

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
99		ESIMS <i>m/z</i> 318.2 ([M+H] ⁺)	
100		ESIMS <i>m/z</i> 300.2 ([M+H] ⁺)	
101		ESIMS <i>m/z</i> 296.2 ([M+H] ⁺)	
102		ESIMS <i>m/z</i> 296.2 ([M+H] ⁺)	
103		ESIMS <i>m/z</i> 254.2 ([M+H] ⁺)	
104		ESIMS <i>m/z</i> 294.3 ([M+H] ⁺)	
105		ESIMS <i>m/z</i> 294.2 ([M+H] ⁺)	
106		ESIMS <i>m/z</i> 292.2([M+H] ⁺)	
107		ESIMS <i>m/z</i> 292.2 ([M+H] ⁺)	
108		ESIMS <i>m/z</i> 314.2 ([M+H] ⁺)	

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
109	(Película Delgada) 3392, 2961, 2933, 2875, 1743, 1602, 1496, 1454, 1377, 132/8, 1233, 1198, 1114, 1077, 993, 743, 699	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₆ H ₂₆ NO ₃ , 280.1907; encontra 280.1904 ^{ΔΔ}	
110	(Película Delgada) 3396, 2930, 2859, 1744, 1603, 1496, 1455, 1377, 1328, 1234, 1199, 1115, 993, 744, 700	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₈ H ₃₀ NO ₃ , 308.2220; encontra 308.2221 ^{ΔΔ}	
111	(Película Delgada) 3401, 2954, 2871, 1743, 1603, 1496, 1455, 1375, 1233, 1198, 1114, 1076, 1030, 996, 743, 699	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₇ H ₂₈ NO ₃ , 294.2064; encontra 294.2060 ^{ΔΔ}	
112	(Película Delgada) 3406, 2962, 2874, 1746, 1598, 1510, 1465, 1378, 1237, 1208, 1118, 1102	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₃ H ₂₈ NO ₃ , 246.2064; encontra 246.2062 ^{ΔΔ}	

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
113	(Thin film) 2959, 2873, 1749, 1590, 1509, 1462, 1385, 1231, 1212, 1115, 1100, 1012	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₂ H ₂₆ NO ₃ , 232.1907; found, 232.1904	
114	(Thin film) 2961, 2868, 1747, 1589, 1510, 1453, 1392, 1334, 1229, 1210, 1156, 1137, 1116, 1104, 1027, 1001, 661	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₃ H ₂₅ F ₃ NO ₃ , 300.1781; found, 300.1793	
115	(Thin film) 3398, 2835, 2874, 1743, 1602, 1496, 1454, 1375, 1330, 1236, 1208, 1102, 915, 746, 698	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₈ H ₃₀ NO ₃ , 308.2220; found, 308.2221	
116	(Thin film) 3361, 2969, 1735, 1677, 1456, 1374, 1179, 1126, 1101, 907, 721	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₃ H ₂₆ NO ₃ , 244.1907; found, 244.1910	

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
117	(Película Delgada) 3376, 2968, 2937, 2876, 1732, 1456, 1370, 1182, 1138, 1064, 920, 737	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd : po C ₁₂ H ₂₄ NO ₃ , 230.1751; encontra 230.1738 ^{da}	
118	(Película Delgada) 3379, 2972, 2879, 1733, 1686, 1458, 1379, 1308, 1263, 1186, 1111, 960, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd : po C ₁₃ H ₂₃ F ₃ NO ₃ , 298.1625; encontra 298.1616 ^{da}	
119	(Película Delgada) 2955, 2871, 1739, 1586, 1462, 1374, 1334, 1240, 1217, 1119, 1085, 1067, 1028, 917, 904, 748	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd : po C ₁₃ H ₂₈ NO ₃ , 246.2064; encontra 246.2060 ^{da}	
120	(Película Delgada) 3401, 2960, 2875, 1739, 1460, 1375, 1337, 1240, 1219, 1119, 1087, 1068, 907, 733	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd : po C ₁₂ H ₂₆ NO ₃ , 232.1907; encontra 232.1905 ^{da}	

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
121	(Película Delgada) 2971, 2880, 1737, 1586, 1463, 1375, 1247, 1222, 1148, 1137, 1120, 1084, 1030, 912, 733	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₃ H ₂₅ F ₃ NO ₃ , 300.1781; encontra 300.1782	
122	(Película Delgada) 3369, 2961, 1738, 1649, 1527, 1240, 1058, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₉ N ₂ O ₆ , 417.2020; encontra 417.2000	¹ H _{RMN} (300 MHz, CDCl ₃) δ 12.15 (d, <i>J</i> = 0.6 Hz, 1H), 8.48 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.34 – 7.17 (m, 2H), 7.02 – 6.81 (m, 4H), 5.14 (dt, <i>J</i> = 8.6, 4.1 Hz, 1H), 4.70 (p, <i>J</i> = 7.2 Hz, 1H), 4.47 (qd, <i>J</i> = 6.3, 4.2 Hz, 1H), 3.94 (s, 3H), 1.85 – 1.60 (m, 2H), 1.54 (d, <i>J</i> = 7.2 Hz, 3H), 1.51 – 1.21 (m, 5H), 0.93 (t, <i>J</i> = 7.3 Hz, 3H).
123	(Película Delgada) 3366, 2981, 1741, 1527, 1477, 1262, 1150, 1058, 800, 731	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₅ Cl ₂ N ₂ O ₆ , 483.1084; encontra 483.1091	¹ H _{RMN} (300 MHz, CDCl ₃) δ 12.10 (d, <i>J</i> = 0.5 Hz, 1H), 8.44 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.35 (d, <i>J</i> = 2.6 Hz, 1H), 7.16 (dd, <i>J</i> = 8.8, 2.6 Hz, 1H), 6.93 – 6.85 (m, 2H), 5.76 (ddt, <i>J</i> = 17.2, 10.1, 7.0 Hz, 1H), 5.19 (ddd, <i>J</i> = 7.2, 5.7, 4.1 Hz, 1H), 5.15 – 5.03 (m, 2H), 4.67 (p, <i>J</i> = 7.3 Hz, 1H), 4.49 (qd, <i>J</i> = 6.3, 4.1 Hz, 1H), 3.95 (s, 3H), 2.56 (ddt, <i>J</i> = 7.1, 5.6, 1.4 Hz, 2H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.35 (d, <i>J</i> = 6.4 Hz, 3H).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
124	(Película Delgada) 3368, 2973, 1739, 1649, 1528, 1240, 1062, 800, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₁ H ₂₇ N ₂ O ₆ , 403.1864, encontra 403.1850 ⁻¹	¹ HRMN (500 MHz, CDCl ₃) δ 12.14 (s, 1H), 8.47 (d, <i>J</i> = 7.8 Hz, 1H), 8.00 (dd, <i>J</i> = 5.2, 1.0 Hz, 1H), 7.34 – 7.20 (m, 2H), 6.98 – 6.90 (m, 3H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 5.09 (ddd, <i>J</i> = 9.1, 5.2, 4.0 Hz, 1H), 4.70 (p, <i>J</i> = 7.4 Hz, 1H), 4.50 (p, <i>J</i> = 6.1 Hz, 1H), 3.95 (d, <i>J</i> = 1.0 Hz, 3H), 1.80 (dq, <i>J</i> = 14.9, 7.4, 3.8 Hz, 1H), 1.70 (ddd, <i>J</i> = 13.9, 8.7, 7.0 Hz, 1H), 1.54 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (dd, <i>J</i> = 6.4, 1.0 Hz, 3H), 0.93 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ CRMN (126 MHz, CDCl ₃) δ 172.09, 168.71, 157.83, 155.36, 148.76, 140.48, 130.49, 129.54, 121.09, 115.78, 109.44, 77.96, 73.49, 56.08, 48.04, 22.46, 18.36, 15.52, 9.74.
125	(Película Delgada) 3371, 2974, 1742, 1529, 1241, 801, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₁ H ₂₇ N ₂ O ₆ , 403.1864, encontra 403.1852 ⁻¹	¹ HRMN (500 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.50 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.32 – 7.20 (m, 2H), 6.93 (td, <i>J</i> = 7.3, 1.0 Hz, 1H), 6.89 – 6.79 (m, 3H), 5.12 (td, <i>J</i> = 6.5, 4.2 Hz, 1H), 4.74 (p, <i>J</i> = 7.4 Hz, 1H), 4.47 (qd, <i>J</i> = 6.3, 4.3 Hz, 1H), 3.94 (s, 3H), 1.76 (p, <i>J</i> = 7.3 Hz, 2H), 1.55 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H), 0.96 (t, <i>J</i> = 7.5 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 171.99, 168.74, 157.58, 155.35, 148.74, 140.47, 130.47, 129.53, 121.19, 116.01, 109.43, 77.98, 74.28, 56.07, 48.03, 23.13, 18.41, 15.13, 9.92.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
126	(Película Delgada) 3370, 2961, 1739, 1649, 1528, 1240, 1059, 800, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₉ N ₂ O ₆ , 417.2020; encontra 417.2009 ⁻¹	¹ HRMN (500 MHz, CDCl ₃) δ 12.14 (s, 1H), 8.47 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.44 – 7.15 (m, 2H), 6.96 – 6.90 (m, 3H), 6.87 (d, <i>J</i> = 5.3 Hz, 1H), 5.21 – 5.14 (m, 1H), 4.69 (p, <i>J</i> = 7.4 Hz, 1H), 4.49 (p, <i>J</i> = 6.1 Hz, 1H), 3.95 (s, 3H), 1.73 – 1.66 (m, 2H), 1.53 (d, <i>J</i> = 7.1 Hz, 3H), 1.45 – 1.31 (m, 2H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (t, <i>J</i> = 7.3 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.06, 168.71, 157.80, 155.36, 148.76, 140.48, 130.49, 129.54, 121.10, 115.79, 109.43, 76.38, 73.63, 56.08, 48.02, 31.37, 18.62, 18.34, 15.48, 13.90.
127	(Película Delgada) 3371, 2961, 1740, 1649, 1528, 1241, 1056, 800, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₉ N ₂ O ₆ , 417.2020; encontra 417.2009 ⁻¹	¹ HRMN (500 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.50 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.26 (d, <i>J</i> = 3.7 Hz, 2H), 6.93 (t, <i>J</i> = 7.3 Hz, 1H), 6.89 – 6.81 (m, 3H), 5.20 (dt, <i>J</i> = 8.9, 3.9 Hz, 1H), 4.73 (p, <i>J</i> = 7.4 Hz, 1H), 4.51 – 4.41 (m, 1H), 3.94 (s, 3H), 1.74 (dtd, <i>J</i> = 14.6, 9.6, 5.1 Hz, 1H), 1.70 – 1.59 (m, 1H), 1.54 (d, <i>J</i> = 7.1 Hz, 3H), 1.49 – 1.33 (m, 2H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 171.96, 168.73, 157.60, 155.35, 148.74, 140.47, 130.48, 129.53, 121.18, 116.03, 109.42, 76.48, 74.63, 56.07, 48.02, 32.06, 18.77, 18.42, 15.07, 13.92.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
128	(Thin film) 3370, 2957, 1738, 1649, 1528, 1241, 1062, 800, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₃ H ₃₁ N ₂ O ₆ , 431.2177; found, 431.2166	¹H NMR (500 MHz, CDCl₃) δ 12.13 (s, 1H), 8.47 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.26 (s, 2H), 6.93 (dd, <i>J</i> = 7.9, 4.9 Hz, 3H), 6.87 (d, <i>J</i> = 5.3 Hz, 1H), 5.25 (ddd, <i>J</i> = 10.0, 4.8, 3.0 Hz, 1H), 4.68 (p, <i>J</i> = 7.2 Hz, 1H), 4.47 (p, <i>J</i> = 6.1 Hz, 1H), 3.95 (s, 3H), 1.70 (ddd, <i>J</i> = 14.2, 10.1, 4.5 Hz, 1H), 1.66 – 1.57 (m, 1H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.47 (ddd, <i>J</i> = 13.5, 9.3, 2.9 Hz, 1H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H), 0.90 (dd, <i>J</i> = 17.8, 6.5 Hz, 6H). ¹³C NMR (126 MHz, CDCl₃) δ 172.04, 168.71, 157.74, 155.37, 148.76, 140.48, 130.48, 129.54, 121.12, 115.81, 109.44, 74.81, 73.82, 56.08, 48.02, 38.16, 24.56, 23.49, 21.67, 18.29, 15.43.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
129	(Thin film) 3370, 2958, 1740, 1649, 1528, 1240, 1152, 800, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₃ H ₃₁ N ₂ O ₆ , 431.2177; found, 431.2159	¹ H NMR (500 MHz, CDCl ₃) δ 12.14 (s, 1H), 8.50 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (dd, <i>J</i> = 5.2, 1.2 Hz, 1H), 7.30 – 7.20 (m, 2H), 6.93 (t, <i>J</i> = 7.3 Hz, 1H), 6.90 – 6.82 (m, 3H), 5.28 (dt, <i>J</i> = 10.1, 3.5 Hz, 1H), 4.72 (p, <i>J</i> = 7.3 Hz, 1H), 4.43 (dt, <i>J</i> = 9.8, 5.1 Hz, 1H), 3.94 (d, <i>J</i> = 1.2 Hz, 3H), 1.74 (ddd, <i>J</i> = 14.2, 9.9, 4.6 Hz, 1H), 1.70 – 1.60 (m, 1H), 1.52 (dd, <i>J</i> = 7.2, 1.2 Hz, 3H), 1.48 – 1.39 (m, 1H), 1.32 (dd, <i>J</i> = 6.3, 1.2 Hz, 3H), 0.98 – 0.88 (m, 6H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.94, 168.71, 157.63, 155.34, 148.74, 140.46, 130.49, 129.52, 121.18, 116.03, 109.41, 75.07, 75.04, 56.07, 48.02, 38.80, 24.51, 23.45, 21.82, 18.42, 15.00.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
130	(Película Delgada) 3371, 2968, 1740, 1650, 1529, 1241, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₉ N ₂ O ₆ , 417.2020; encontra 417.2006	¹ H RMN (500 MHz, CDCl ₃) δ 12.17 (s, 1H), 8.45 (d, <i>J</i> = 7.8 Hz, 1H), 8.00 (dd, <i>J</i> = 5.2, 1.0 Hz, 1H), 7.32 – 7.21 (m, 2H), 6.93 (td, <i>J</i> = 7.4, 1.2 Hz, 1H), 6.91 – 6.85 (m, 3H), 5.00 (t, <i>J</i> = 5.7 Hz, 1H), 4.68 (p, <i>J</i> = 7.3 Hz, 1H), 4.53 (p, <i>J</i> = 6.2 Hz, 1H), 3.95 (s, 3H), 2.13 (h, <i>J</i> = 6.6 Hz, 1H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (dd, <i>J</i> = 13.2, 6.8 Hz, 6H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.00, 168.68, 157.94, 155.35, 148.74, 140.44, 130.53, 129.52, 121.05, 115.73, 109.40, 81.36, 73.22, 56.07, 48.07, 28.62, 19.48, 18.36, 17.08, 16.20.
131	(Película Delgada) 3370, 2967, 1742, 1649, 1527, 1263, 1050, 800, 731	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₉ N ₂ O ₆ , 417.2020; encontra 417.2008	¹ HRMN (500 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.54 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (dd, <i>J</i> = 5.2, 1.0 Hz, 1H), 7.34 – 7.20 (m, 2H), 6.94 (td, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.86 (t, <i>J</i> = 7.2 Hz, 3H), 5.08 (dd, <i>J</i> = 6.9, 5.0 Hz, 1H), 4.79 (p, <i>J</i> = 7.3 Hz, 1H), 4.58 – 4.49 (m, 1H), 3.95 (s, 3H), 2.06 (h, <i>J</i> = 6.8 Hz, 1H), 1.62 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.1 Hz, 3H), 0.99 (d, <i>J</i> = 6.9 Hz, 3H), 0.94 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 171.89, 168.75, 157.31, 155.36, 148.75, 140.49, 130.50, 129.56, 121.14, 115.82, 109.44, 80.16, 72.58, 56.07, 48.00, 28.95, 19.10, 18.57, 17.93, 14.72.

No. Com	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
132	(Película Delgada) 3365, 2981, 1742, 1648, 1527, 1481, 1239, 799, 752	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₉ H ₂₃ N ₂ O ₆ , 375.1551; encontra 375.1553 ²²	¹ HRMN (500 MHz, CDCl ₃) δ 12.07 (s, 1H), 8.43 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (dd, <i>J</i> = 5.2, 1.1 Hz, 1H), 7.31 – 7.18 (m, 2H), 6.94 (td, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.92 – 6.88 (m, 2H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.68 – 4.59 (m, 1H), 4.39 – 4.26 (m, 2H), 3.95 (d, <i>J</i> = 1.1 Hz, 3H), 1.51 (dd, <i>J</i> = 7.2, 1.1 Hz, 3H), 1.36 (dd, <i>J</i> = 6.3, 1.1 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.02, 168.75, 157.59, 155.37, 148.75, 140.48, 130.39, 129.55, 121.33, 116.08, 109.46, 71.54, 67.74, 56.08, 47.85, 18.18, 16.78.
133	(Película Delgada) 3363, 2959, 1739, 1650, 1529, 1482, 1242, 1063, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₃₁ N ₂ O ₆ , 431.2177; encontra 431.2157 ²²	¹ HRMN (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.50 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.34 – 7.19 (m, 2H), 6.97 – 6.88 (m, 3H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 5.27 (ddd, <i>J</i> = 10.0, 5.3, 3.1 Hz, 1H), 4.72 (p, <i>J</i> = 7.3 Hz, 1H), 4.50 – 4.39 (m, 1H), 3.94 (s, 3H), 1.75 – 1.55 (m, 2H), 1.51 – 1.41 (m, 4H), 1.27 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (d, <i>J</i> = 6.5 Hz, 3H), 0.89 (d, <i>J</i> = 6.5 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.01, 168.76, 157.65, 155.40, 148.81, 140.48, 130.54, 129.54, 121.10, 115.75, 109.47, 74.92, 73.95, 56.07, 48.05, 38.39, 24.50, 23.47, 21.81, 18.38, 15.45.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
134	(Película Delgada) 3363, 2960, 1740, 1650, 1530, 1482, 1241, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calculado C ₂₃ H ₃₁ N ₂ O ₆ , 431.2177; encontrado 431.2159	¹ H RMN (400 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.48 (d, <i>J</i> = 7.8 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.32 – 7.20 (m, 2H), 6.98 – 6.82 (m, 4H), 5.21 (ddd, <i>J</i> = 10.2, 4.0, 3.0 Hz, 1H), 4.68 (p, <i>J</i> = 7.3 Hz, 1H), 4.47 (qd, <i>J</i> = 6.3, 3.9 Hz, 1H), 3.93 (s, 3H), 1.76 (ddd, <i>J</i> = 14.3, 10.2, 4.4 Hz, 1H), 1.70 – 1.57 (m, 1H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.47 (ddd, <i>J</i> = 14.1, 9.5, 3.1 Hz, 1H), 1.30 (d, <i>J</i> = 6.4 Hz, 3H), 0.93 (dd, <i>J</i> = 6.6, 3.0 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.87, 168.80, 157.80, 155.37, 148.78, 140.47, 130.48, 129.51, 121.26, 116.32, 109.49, 75.56, 75.21, 56.06, 48.15, 38.52, 24.56, 23.50, 21.66, 18.15, 15.51.
135	(Película Delgada) 3363, 2969, 1742, 1650, 1529, 1482, 1242, 1042, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calculado C ₂₂ H ₂₉ N ₂ O ₆ , 417.2020; encontrado 417.2018	¹ H RMN (400 MHz, CDCl ₃) δ 12.14 (s, 1H), 8.51 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.1 Hz, 1H), 7.31 – 7.19 (m, 2H), 6.97 – 6.84 (m, 4H), 5.01 (t, <i>J</i> = 5.7 Hz, 1H), 4.74 (p, <i>J</i> = 7.3 Hz, 1H), 4.54 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 2.20 – 2.06 (m, 1H), 1.45 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.4 Hz, 3H), 0.97 (d, <i>J</i> = 6.8 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.18, 168.74, 157.72, 155.37, 148.78, 140.45, 130.57, 129.52, 120.99, 115.64, 109.45, 81.23, 73.09, 56.06, 48.02, 28.61, 19.51, 18.41, 17.07, 15.99.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O, ¹⁹ F)
136	(Película Delgada) 3370, 2968, 1743, 1650, 1529, 1241, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₉ N ₂ O ₆ , 417.2020;encontra 417.2038 ^{da}	¹ H _{RMN} (400 MHz, CDCl ₃) δ 12.16 (s, 1H), 8.54 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.30 – 7.21 (m, 2H), 6.94 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.90 – 6.84 (m, 3H), 5.08 (t, <i>J</i> = 5.8 Hz, 1H), 4.78 (p, <i>J</i> = 7.3 Hz, 1H), 4.52 (p, <i>J</i> = 6.1 Hz, 1H), 3.93 (s, 3H), 2.18 – 2.07 (m, 1H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 171.72, 168.83, 157.40, 155.38, 148.79, 140.50, 130.49, 129.55, 121.16, 115.92, 109.51, 80.35, 72.63, 56.06, 48.17, 28.71, 19.36, 18.43, 17.11, 15.47.
137	(Película Delgada) 3361, 2932, 1741, 1651, 1530, 1242	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₃₃ N ₂ O ₆ , 445.2333;encontra 445.2334 ^{da}	¹ H _{RMN} (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.49 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.33 – 7.17 (m, 2H), 6.96 – 6.84 (m, 4H), 5.16 (ddd, <i>J</i> = 8.5, 5.4, 4.3 Hz, 1H), 4.71 (p, <i>J</i> = 7.3 Hz, 1H), 4.47 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 1.75 – 1.60 (m, 2H), 1.48 (d, <i>J</i> = 7.2 Hz, 3H), 1.43 – 1.17 (m, 9H), 0.92 – 0.82 (m, 3H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 172.07, 168.77, 157.73, 155.39, 148.81, 140.47, 130.53, 129.54, 121.06, 115.73, 109.46, 76.75, 73.77, 56.07, 48.07, 31.60, 29.51, 24.90, 22.44, 18.33, 15.53, 13.94.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
138	(Película Delgrada) 3370, 2934, 1741, 1650, 1529, 1242, 1060, 801, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd i po <chem>C24H33N2O6</chem> , 445.2333; encontra 445.2325	¹ H RMN (400 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.48 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.33 – 7.18 (m, 2H), 6.94 (tt, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.91 – 6.82 (m, 3H), 5.12 (dt, <i>J</i> = 8.6, 4.4 Hz, 1H), 4.70 (p, <i>J</i> = 7.3 Hz, 1H), 4.47 (qd, <i>J</i> = 6.3, 4.3 Hz, 1H), 3.93 (s, 3H), 1.82 – 1.62 (m, 2H), 1.54 (d, <i>J</i> = 7.2 Hz, 3H), 1.44 – 1.18 (m, 9H), 0.93 – 0.79 (m, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.85, 168.80, 157.78, 155.39, 148.81, 140.47, 130.51, 129.52, 121.26, 116.29, 109.49, 77.17, 74.78, 56.06, 48.15, 31.54, 29.61, 25.04, 22.44, 18.23, 15.59, 13.92.
139	(Película Delgrada) 3362, 2934, 1741, 1650, 1529, 1481, 1242, 1063, 801, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd i po <chem>C24H33N2O6</chem> , 445.2333; encontra 445.2323	¹ H RMN (400 MHz, CDCl ₃) δ 12.14 (s, 1H), 8.47 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.30 – 7.21 (m, 2H), 6.93 (ddt, <i>J</i> = 7.3, 4.4, 1.3 Hz, 3H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 5.15 (dt, <i>J</i> = 8.1, 5.0 Hz, 1H), 4.68 (p, <i>J</i> = 7.3 Hz, 1H), 4.54 – 4.43 (m, 1H), 3.94 (s, 3H), 1.69 (qt, <i>J</i> = 8.7, 4.6 Hz, 2H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.41 – 1.14 (m, 9H), 0.93 – 0.77 (m, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.01, 168.74, 157.86, 155.40, 148.81, 140.47, 130.53, 129.54, 121.12, 115.85, 109.47, 76.66, 73.71, 56.08, 48.07, 31.53, 29.24, 24.94, 22.42, 18.31, 15.51, 13.91.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
140	(Thin film) 3362, 2933, 1742, 1650, 1529, 1482, 1242, 800, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₃ N ₂ O ₆ , 445.2333; found, 445.2331	¹ H NMR (400 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.51 (d, <i>J</i> = 7.8 Hz, 1H), 7.96 (d, <i>J</i> = 5.2 Hz, 1H), 7.35 – 7.16 (m, 2H), 6.93 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.89 – 6.81 (m, 3H), 5.18 (dt, <i>J</i> = 8.6, 4.2 Hz, 1H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.45 (qd, <i>J</i> = 6.3, 3.9 Hz, 1H), 3.92 (s, 3H), 1.69 (dddd, <i>J</i> = 19.8, 10.0, 7.7, 4.2 Hz, 2H), 1.54 (d, <i>J</i> = 7.2 Hz, 3H), 1.48 – 1.19 (m, 9H), 0.93 – 0.81 (m, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.94, 168.79, 157.65, 155.37, 148.78, 140.47, 130.50, 129.52, 121.20, 116.09, 109.48, 76.74, 74.69, 56.05, 48.09, 31.60, 29.96, 25.11, 22.44, 18.33, 15.08, 13.95.
141	(Thin film) 3363, 2979, 1744, 1649, 1530, 1241, 800, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₉ H ₂₃ N ₂ O ₆ , 375.1551; found, 375.1549	¹ H NMR (400 MHz, CDCl ₃) δ 12.09 (s, 1H), 8.45 (d, <i>J</i> = 7.9 Hz, 1H), 7.96 (d, <i>J</i> = 5.2 Hz, 1H), 7.33 – 7.20 (m, 2H), 6.98 – 6.88 (m, 3H), 6.85 (d, <i>J</i> = 5.2 Hz, 1H), 4.77 – 4.58 (m, 2H), 4.41 (dd, <i>J</i> = 11.4, 6.8 Hz, 1H), 4.23 (dd, <i>J</i> = 11.5, 4.1 Hz, 1H), 3.93 (s, 3H), 1.50 (d, <i>J</i> = 7.2 Hz, 3H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.02, 168.81, 157.69, 155.38, 148.77, 140.49, 130.40, 129.54, 121.34, 116.14, 109.52, 71.68, 67.86, 56.06, 47.88, 18.12, 16.71.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
142	(Thin film) 3369, 2982, 1738, 1649, 1528, 1482, 1241	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₇ N ₂ O ₆ , 415.1864; found, 415.1839	¹ H NMR (400 MHz, CDCl ₃) δ 12.17 (d, <i>J</i> = 0.6 Hz, 1H), 8.47 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.32 - 7.19 (m, 2H), 7.01 - 6.84 (m, 4H), 4.74 - 4.65 (m, 1H), 4.59 (pd, <i>J</i> = 6.3, 3.8 Hz, 1H), 4.51 (dd, <i>J</i> = 9.3, 3.5 Hz, 1H), 3.94 (s, 3H), 1.54 (d, <i>J</i> = 7.2 Hz, 3H), 1.40 (d, <i>J</i> = 6.4 Hz, 3H), 1.24 - 1.16 (m, 1H), 0.67 (tdd, <i>J</i> = 8.4, 3.1, 1.7 Hz, 1H), 0.57 - 0.49 (m, 1H), 0.42 (ddd, <i>J</i> = 4.8, 3.0, 1.7 Hz, 2H).
143	(Thin film) 3368, 2931, 1741, 1529, 1494, 1242	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₆ , 457.2333; found, 457.2321	¹ H NMR (400 MHz, CDCl ₃) δ 12.16 (d, <i>J</i> = 0.6 Hz, 1H), 8.52 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.30 - 7.20 (m, 2H), 6.92 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.89 - 6.80 (m, 3H), 5.00 (t, <i>J</i> = 5.8 Hz, 1H), 4.80 - 4.70 (m, 1H), 4.62 - 4.53 (m, 1H), 3.94 (s, 3H), 1.88 - 1.61 (m, 7H), 1.47 (d, <i>J</i> = 7.2 Hz, 3H), 1.27 (d, <i>J</i> = 6.4 Hz, 3H), 1.25 - 1.02 (m, 4H).
144	(Thin film) 3369, 2928, 1741, 1528, 1481, 1240, 729	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₆ , 457.2333; found, 457.2308	¹ H NMR (400 MHz, CDCl ₃) δ 12.17 (d, <i>J</i> = 0.6 Hz, 1H), 8.53 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.33 - 7.13 (m, 2H), 6.94 (tt, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.90 - 6.80 (m, 3H), 5.08 (t, <i>J</i> = 5.7 Hz, 1H), 4.85 - 4.71 (m, 1H), 4.55 (p, <i>J</i> = 6.1 Hz, 1H), 3.94 (s, 3H), 1.84 - 1.64 (m, 7H), 1.62 (d, <i>J</i> = 6.0 Hz, 3H), 1.29 (d, <i>J</i> = 6.2 Hz, 3H), 1.27 - 1.01 (m, 4H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
145	(Thin film) 2976, 1741, 1653, 1505, 1208	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₈ FN ₂ O ₆ , 435.1926; found, 435.1923	¹ H NMR (400 MHz, CDCl ₃) δ 12.12 (d, <i>J</i> = 0.6 Hz, 1H), 8.48 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 6.97 – 6.89 (m, 2H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 6.85 – 6.78 (m, 2H), 4.99 (t, <i>J</i> = 5.7 Hz, 1H), 4.80 – 4.70 (m, 1H), 4.43 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 2.17 – 2.07 (m, 1H), 1.48 (d, <i>J</i> = 7.2 Hz, 3H), 1.25 (d, <i>J</i> = 6.3 Hz, 3H), 0.97 (dd, <i>J</i> = 6.8, 3.3 Hz, 6H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 123.38 .
146	(Thin film) 3369, 2970, 1744, 1651, 1504, 1206	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₈ FN ₂ O ₆ , 435.1926; found, 435.1922	¹ H NMR (400 MHz, CDCl ₃) δ 12.15 (d, <i>J</i> = 0.6 Hz, 1H), 8.52 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.02 – 6.90 (m, 2H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 6.85 – 6.77 (m, 2H), 5.05 (t, <i>J</i> = 5.8 Hz, 1H), 4.83 – 4.73 (m, 1H), 4.42 (p, <i>J</i> = 6.1 Hz, 1H), 3.94 (s, 3H), 2.10 (pd, <i>J</i> = 6.9, 5.8 Hz, 1H), 1.61 (d, <i>J</i> = 7.1 Hz, 3H), 1.28 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 123.09 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
147	(Thin film) 3366, 2986, 1745, 1649, 1530, 1504, 1205	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₁₉ H ₂₂ FN ₂ O ₆ , 393.1456; found, 393.1448	¹ H NMR (400 MHz, CDCl ₃) δ 12.06 (d, <i>J</i> = 0.6 Hz, 1H), 8.42 (d, <i>J</i> = 7.9 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 6.98 – 6.89 (m, 2H), 6.89 – 6.83 (m, 3H), 4.79 – 4.66 (m, 1H), 4.54 (pd, <i>J</i> = 6.4, 3.9 Hz, 1H), 4.38 (dd, <i>J</i> = 11.5, 6.8 Hz, 1H), 4.23 (dd, <i>J</i> = 11.5, 3.9 Hz, 1H), 3.94 (s, 3H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.00, 168.83, 157.59 (d, <i>J</i> = 239.3 Hz), 155.41, 153.78 (d, <i>J</i> = 2.3 Hz), 148.79, 140.49, 130.37, 117.57 (d, <i>J</i> = 8.0 Hz), 115.90 (d, <i>J</i> = 23.1 Hz), 109.52, 72.87, 67.82, 56.08, 47.89, 18.09, 16.66. ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 122.83 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
148	(Thin film) 3371, 2966, 1744, 1651, 1531, 1240, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₁ H ₂₇ N ₂ O ₅ , 387.1914; found, 387.1901	¹ H NMR (400 MHz, CDCl ₃) δ 11.90 (s, 1H), 8.52 (d, <i>J</i> = 7.9 Hz, 1H), 8.08 (dd, <i>J</i> = 4.3, 1.5 Hz, 1H), 7.39 – 7.19 (m, 4H), 6.94 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.90 – 6.83 (m, 2H), 5.08 (t, <i>J</i> = 5.8 Hz, 1H), 4.79 (p, <i>J</i> = 7.3 Hz, 1H), 4.52 (p, <i>J</i> = 6.1 Hz, 1H), 2.14 (pd, <i>J</i> = 6.9, 5.5 Hz, 1H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.76, 168.49, 157.85, 157.41, 139.72, 131.21, 129.56, 128.78, 126.04, 121.18, 115.93, 80.39, 72.64, 48.15, 28.71, 19.37, 18.48, 17.11, 15.48.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
149	(Thin film) 3367, 2979, 1743, 1649, 1529, 1240	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₃ H ₃₁ N ₂ O ₆ , 431.2177; found, 431.2142	¹ H NMR (400 MHz, CDCl ₃) δ 12.16 (s, 1H), 8.53 (d, <i>J</i> = 7.8 Hz, 1H), 7.96 (d, <i>J</i> = 5.2 Hz, 1H), 7.32 – 7.21 (m, 2H), 6.94 (td, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.90 – 6.82 (m, 3H), 5.08 (t, <i>J</i> = 5.8 Hz, 1H), 4.78 (p, <i>J</i> = 7.3 Hz, 1H), 4.51 (p, <i>J</i> = 6.1 Hz, 1H), 4.16 (q, <i>J</i> = 7.0 Hz, 2H), 2.13 (dtd, <i>J</i> = 13.7, 6.9, 5.5 Hz, 1H), 1.60 (d, <i>J</i> = 7.2 Hz, 3H), 1.52 (t, <i>J</i> = 7.0 Hz, 3H), 1.29 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.75, 168.88, 157.41, 154.74, 148.89, 140.43, 130.58, 129.56, 121.16, 115.92, 110.18, 80.35, 72.63, 64.67, 48.16, 28.71, 19.37, 18.46, 17.10, 15.48, 14.39.
153	(Thin film) 2964, 2934, 2880, 1742, 1530, 1482, 1242	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₃ N ₂ O ₆ , 445.2333; found, 445.2306.	¹ H NMR (300 MHz, CDCl ₃) δ 12.16 (s, 1H), 8.50 (d, <i>J</i> = 7.9 Hz, 1H), 8.00 (dd, <i>J</i> = 8.6, 5.2 Hz, 1H), 7.36 – 7.12 (m, 2H), 6.99 – 6.74 (m, 4H), 5.24 (dd, <i>J</i> = 6.6, 4.4 Hz, 1H), 4.85 – 4.39 (m, 2H), 3.94 (s, 3H), 1.77 – 1.51 (m, 3H), 1.51 – 1.13 (m, 8H), 0.93 (td, <i>J</i> = 7.4, 2.3 Hz, 6H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
154	(Thin film) 3367, 2964, 2936, 2877, 1742, 1650, 1529, 1241	HRMS–ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₃ N ₂ O ₆ , 445.2333; found, 445.2308.	¹ H NMR (300 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.53 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.43 – 7.09 (m, 2H), 7.03 – 6.66 (m, 5H), 5.48 – 5.01 (m, 1H), 4.75 (p, <i>J</i> = 7.3 Hz, 1H), 4.55 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 1.82 – 1.38 (m, 5H), 1.28 (dd, <i>J</i> = 10.2, 6.5 Hz, 5H), 0.90 (dt, <i>J</i> = 30.2, 7.4 Hz, 6H).
155	(Thin film) 3369, 2948, 2870, 2157, 1741, 1523, 1481, 1240	HRMS–ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₁ N ₂ O ₆ , 443.2177; found, 443.2150.	¹ H NMR (300 MHz, CDCl ₃) δ 12.18 (d, <i>J</i> = 0.6 Hz, 1H), 8.52 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.40 – 7.13 (m, 2H), 7.04 – 6.78 (m, 4H), 5.19 (dd, <i>J</i> = 7.6, 4.4 Hz, 1H), 4.98 – 4.59 (m, 1H), 4.48 (qd, <i>J</i> = 6.3, 4.4 Hz, 1H), 3.94 (s, 3H), 2.50 – 2.11 (m, 1H), 1.84 – 1.43 (m, 8H), 1.43 – 1.17 (m, 6H).
156	(Thin film) 3371, 2944, 2870, 2364, 1740, 1528, 1241	HRMS–ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₁ N ₂ O ₆ , 443.2177; found, 443.2147.	¹ H NMR (300 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.51 (d, <i>J</i> = 7.8 Hz, 1H), 8.00 (d, <i>J</i> = 5.2 Hz, 1H), 7.39 – 7.16 (m, 3H), 7.03 – 6.77 (m, 5H), 5.12 (dd, <i>J</i> = 7.2, 4.8 Hz, 1H), 4.74 (p, <i>J</i> = 7.3 Hz, 1H), 4.55 – 4.44 (m, 1H), 3.95 (s, 3H), 2.34 (h, <i>J</i> = 8.3 Hz, 1H), 1.74 (dd, <i>J</i> = 8.0, 4.2 Hz, 1H), 1.67 – 1.53 (m, 3H), 1.50 (d, <i>J</i> = 7.2 Hz, 3H), 1.47 – 1.16 (m, 5H).

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
157	(Thin film) 3369, 2938, 1741, 1481, 1240, 730, 1454	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₆ H ₂₉ N ₂ O ₆ , 465.2020; found, 465.2002.	¹ H NMR (300 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.39 (dd, <i>J</i> = 18.9, 7.8 Hz, 1H), 8.05 – 7.90 (m, 1H), 7.34 – 7.09 (m, 7H), 7.02 – 6.75 (m, 4H), 5.42 – 5.25 (m, 1H), 4.77 – 4.39 (m, 2H), 3.91 (d, <i>J</i> = 1.0 Hz, 2H), 3.18 – 2.90 (m, 2H), 2.02 – 1.81 (m, 1H), 1.40 (dd, <i>J</i> = 25.5, 6.7 Hz, 3H), 1.32 – 1.21 (m, 3H).
158	(Thin film) 3372, 2965, 2936, 2875, 1739, 1649, 1576, 1527, 1496, 1480, 1453, 1438, 1330, 1280, 1263, 1242, 1183, 1144, 1159, 1101, 953, 800, 700	ESIMS <i>m/z</i> 431.2 ([M+H] ⁺)	¹ H NMR (400 MHz, CDCl ₃) δ 12.14 (d, <i>J</i> = 0.6 Hz, 1H), 8.37 (d, <i>J</i> = 7.9 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.28 – 7.16 (m, 5H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 5.23 (dt, <i>J</i> = 9.7, 4.2 Hz, 1H), 4.60 (p, <i>J</i> = 7.3 Hz, 1H), 3.94 (s, 3H), 3.54 (qd, <i>J</i> = 6.3, 4.4 Hz, 1H), 3.49 – 3.39 (m, 2H), 3.04 (dd, <i>J</i> = 14.3, 4.1 Hz, 1H), 2.90 (dd, <i>J</i> = 14.3, 9.6 Hz, 1H), 1.64 – 1.51 (m, 2H), 1.26 (d, <i>J</i> = 7.1 Hz, 3H), 1.20 (d, <i>J</i> = 6.4 Hz, 3H), 0.93 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.57, 168.59, 155.34, 148.73, 140.43, 137.33, 130.48, 129.31, 128.33, 126.51, 109.40, 77.83, 75.86, 71.26, 56.07, 47.92, 35.94, 23.24, 18.05, 16.02, 10.66

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
159	(Thin film) 3370, 2933, 2870, 1739, 1649, 1576, 1527, 1496, 1480, 1453, 1438, 1329, 1280, 1263, 1242, 1183, 1061, 953, 800, 700	ESIMS <i>m/z</i> 459.3 ([M+H] ⁺)	¹ H NMR (400 MHz, CDCl ₃) δ 12.14 (d, <i>J</i> = 0.6 Hz, 1H), 8.37 (d, <i>J</i> = 7.9 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.26 – 7.15 (m, 5H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 5.22 (dt, <i>J</i> = 9.5, 4.2 Hz, 1H), 4.66 – 4.56 (m, 1H), 3.94 (s, 3H), 3.57 – 3.41 (m, 3H), 3.04 (dd, <i>J</i> = 14.4, 4.1 Hz, 1H), 2.90 (dd, <i>J</i> = 14.3, 9.6 Hz, 1H), 1.60 – 1.51 (m, 2H), 1.37 – 1.29 (m, 4H), 1.26 (d, <i>J</i> = 7.2 Hz, 3H), 1.20 (d, <i>J</i> = 6.4 Hz, 3H), 0.93 – 0.86 (m, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.57, 168.59, 155.34, 148.73, 140.42, 137.34, 130.48, 129.31, 128.33, 126.51, 109.40, 77.82, 75.87, 69.66, 56.07, 47.91, 35.95, 29.73, 28.36, 22.52, 18.06, 16.02, 14.05 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
160	(Thin film) 3367, 2956, 2872, 1740, 1649, 1576, 1528, 1481, 1453, 1330, 1280, 1263, 1242, 1183, 1163, 1136, 1064, 953, 800, 746, 701	ESIMS <i>m/z</i> 445.2 ([M+H] ⁺)	¹ H NMR (400 MHz, CDCl ₃) δ 12.14 (s, 1H), 8.37 (d, <i>J</i> = 8.0 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.25 – 7.14 (m, 5H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 5.22 (dt, <i>J</i> = 9.7, 4.2 Hz, 1H), 4.60 (p, <i>J</i> = 7.3 Hz, 1H), 3.94 (s, 3H), 3.56 – 3.48 (m, 1H), 3.29 – 3.17 (m, 2H), 3.05 (dd, <i>J</i> = 14.4, 4.0 Hz, 1H), 2.90 (dd, <i>J</i> = 14.4, 9.6 Hz, 1H), 1.82 (hept, <i>J</i> = 6.6 Hz, 1H), 1.26 (d, <i>J</i> = 7.2 Hz, 3H), 1.19 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 4.6 Hz, 3H), 0.90 (d, <i>J</i> = 4.7 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.55, 168.59, 155.34, 148.73, 140.43, 137.37, 130.48, 129.32, 128.32, 126.50, 109.40, 77.90, 76.44, 76.07, 56.07, 47.92, 35.96, 28.79, 19.42, 19.37, 18.05, 15.93 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
161	(Thin film) 3368, 2962, 2873, 1740, 1649, 1576, 1527, 1481, 1451, 1331, 1280, 1263, 1242, 1212, 1098, 1062, 944, 801	ESIMS <i>m/z</i> 397.2 ([M+H] ⁺)	¹ H NMR (400 MHz, CDCl ₃) δ 12.18 (s, 1H), 8.53 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 4.90 (t, <i>J</i> = 5.8 Hz, 1H), 4.79 – 4.70 (m, 1H), 3.95 (s, 3H), 3.49 (p, <i>J</i> = 6.2 Hz, 1H), 3.25 (dd, <i>J</i> = 8.7, 6.3 Hz, 1H), 3.13 (dd, <i>J</i> = 8.7, 6.8 Hz, 1H), 2.12 – 2.01 (m, 1H), 1.77 (dp, <i>J</i> = 13.3, 6.6 Hz, 1H), 1.58 (d, <i>J</i> = 5.8 Hz, 3H), 1.11 (d, <i>J</i> = 6.2 Hz, 3H), 0.93 – 0.90 (m, 6H), 0.89 – 0.85 (m, 6H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.79, 168.69, 155.34, 148.73, 140.46, 130.54, 109.40, 80.47, 75.94, 74.42, 56.07, 48.14, 28.76, 28.51, 19.42, 19.39, 19.36, 18.53, 17.23, 15.28 .
162	(Thin film) 3368, 2964, 2937, 2876, 1739, 1649, 1576, 1527, 1481, 1452, 1438, 1331, 1280, 1263, 1242, 1212, 1098, 1061, 943, 801	ESIMS <i>m/z</i> 383.2 ([M+H] ⁺)	¹ H NMR (300 MHz, CDCl ₃) δ 12.18 (d, <i>J</i> = 0.7 Hz, 1H), 8.54 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 4.90 (t, <i>J</i> = 5.8 Hz, 1H), 4.81 – 4.68 (m, 1H), 3.51 (p, <i>J</i> = 6.2 Hz, 1H), 3.47 – 3.31 (m, 2H), 2.14 – 1.96 (m, 1H), 1.62 – 1.47 (m, 5H), 1.13 (d, <i>J</i> = 0.7 Hz, 3H), 0.94 – 0.85 (m, 12H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.82, 168.70, 155.34, 148.73, 140.46, 130.54, 109.40, 80.34, 74.24, 70.69, 56.07, 48.14, 28.55, 23.21, 19.36, 18.53, 17.35, 15.34, 10.66 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
163	(Thin film) 3371, 2968, 2878, 1740, 1650, 1576, 1528, 1481, 1452, 1439, 1382, 1333, 1280, 1252, 1146, 1061, 1029, 948, 849, 801	ESIMS <i>m/z</i> 451.2 ([M+H] ⁺)	¹ H NMR (300 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.51 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.1 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 4.89 (dd, <i>J</i> = 6.5, 5.2 Hz, 1H), 4.75 (p, <i>J</i> = 7.3 Hz, 1H), 3.95 (s, 3H), 3.59 – 3.42 (m, 3H), 2.23 – 1.90 (m, 3H), 1.76 (dt, <i>J</i> = 15.8, 6.1 Hz, 2H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.12 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 6H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.85, 168.74, 155.36, 148.75, 140.48, 130.48, 127.29 (q, <i>J</i> = 276.0 Hz), 109.43, 79.96, 74.67, 66.96, 56.07, 48.07, 30.71 (q, <i>J</i> = 28.9 Hz), 28.62, 22.72 (q, <i>J</i> = 3.1 Hz), 19.25, 18.43, 17.69, 14.96 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
164	(Thin film) 3369, 2965, 2938, 2875, 1739, 1649, 1602, 1576, 1527, 1496, 1480, 1452, 1332, 1280, 1263, 1242, 1212, 1183, 1101, 1061, 943, 801, 746, 699	ESIMS <i>m/z</i> 459.3 ([M+H] ⁺)	¹ H NMR (300 MHz, CDCl ₃) δ 12.17 (s, 1H), 8.55 (d, <i>J</i> = 7.9 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.28 – 7.22 (m, 2H), 7.19 – 7.12 (m, 3H), 6.85 (d, <i>J</i> = 5.2 Hz, 1H), 4.91 (t, <i>J</i> = 5.8 Hz, 1H), 4.76 (p, <i>J</i> = 7.3 Hz, 1H), 3.94 (s, 3H), 3.58 – 3.35 (m, 3H), 2.65 (td, <i>J</i> = 7.4, 2.5 Hz, 2H), 2.05 (dq, <i>J</i> = 13.5, 6.7 Hz, 1H), 1.83 (ddd, <i>J</i> = 14.0, 7.7, 6.2 Hz, 2H), 1.59 (d, <i>J</i> = 7.1 Hz, 3H), 1.13 (d, <i>J</i> = 6.2 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 6.9 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.86, 168.70, 155.33, 148.73, 142.02, 140.46, 130.52, 128.43, 128.26, 125.68, 109.40, 80.35, 74.38, 68.05, 56.06, 48.13, 32.36, 31.60, 28.58, 19.35, 18.55, 17.49, 15.23 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
165	(Thin film) 3370, 2968, 2939, 1739, 1649, 1576, 1527, 1481, 1438, 1366, 1330, 1280, 1263, 1212, 1182, 1150, 1101, 1060, 943, 849, 800	ESIMS <i>m/z</i> 395.3 ([M+H] ⁺)	¹ H NMR (500 MHz, CDCl ₃) δ 12.18 (s, 1H), 8.54 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 4.96 – 4.91 (m, 2H), 4.88 – 4.83 (m, 1H), 4.80 – 4.71 (m, 1H), 3.95 (s, 3H), 3.92 (d, <i>J</i> = 12.4 Hz, 1H), 3.85 (d, <i>J</i> = 12.3 Hz, 1H), 3.62 – 3.56 (m, 1H), 2.04 (dq, <i>J</i> = 13.4, 6.8 Hz, 1H), 1.72 (t, <i>J</i> = 1.1 Hz, 3H), 1.60 – 1.57 (m, 3H), 1.14 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 3.5 Hz, 3H), 0.91 (d, <i>J</i> = 3.7 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.83, 168.69, 155.34, 148.73, 142.32, 140.46, 130.54, 112.11, 109.40, 80.21, 73.54, 72.68, 56.07, 48.13, 28.62, 19.59, 19.34, 18.53, 17.56, 15.09 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
166	(Thin film) 3367, 2967, 2876, 1739, 1648, 1576, 1527, 1480, 1452, 1438, 1329, 1279, 1262, 1242, 1212, 1183, 1150, 1094, 1061, 942, 849, 800	ESIMS <i>m/z</i> 381.3 ([M+H] ⁺)	¹ H NMR (500 MHz, CDCl ₃) δ 12.18 (s, 1H), 8.53 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 5.87 (ddt, <i>J</i> = 17.2, 10.4, 5.5 Hz, 1H), 5.25 (dq, <i>J</i> = 17.2, 1.6 Hz, 1H), 5.14 (dq, <i>J</i> = 10.4, 1.5 Hz, 1H), 4.92 (dd, <i>J</i> = 6.1, 5.5 Hz, 1H), 4.75 (p, <i>J</i> = 7.3 Hz, 1H), 4.05 – 3.95 (m, 2H), 3.95 (s, 3H), 3.65 – 3.56 (m, 1H), 2.03 (dq, <i>J</i> = 13.5, 6.8 Hz, 1H), 1.59 (d, <i>J</i> = 7.2 Hz, 3H), 1.14 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 7.0 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 171.84, 168.70, 155.34, 148.74, 140.47, 134.87, 130.53, 116.83, 109.41, 80.16, 73.54, 69.66, 56.07, 48.14, 28.61, 19.31, 18.51, 17.56, 15.16 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
167	(Thin film) 3370, 2969, 1740, 1649, 1576, 1528, 1481, 1455, 1439, 1307, 1262, 1242, 1213, 1108, 1061, 954, 849, 801, 732	ESIMS <i>m/z</i> 449.3 ([M+H] ⁺)	¹H NMR (500 MHz, CDCl₃) δ 12.12 (s, 1H), 8.50 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 6.38 (dt, <i>J</i> = 15.7, 4.0, 2.1 Hz, 1H), 5.88 (dqt, <i>J</i> = 15.4, 6.6, 2.2 Hz, 1H), 4.92 (dd, <i>J</i> = 6.7, 4.9 Hz, 1H), 4.80 – 4.72 (m, 1H), 4.14 – 4.07 (m, 2H), 3.95 (s, 3H), 3.63 (qd, <i>J</i> = 6.2, 4.8 Hz, 1H), 2.04 – 1.96 (m, 1H), 1.59 (d, <i>J</i> = 7.2 Hz, 3H), 1.17 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (d, <i>J</i> = 6.8 Hz, 6H). ¹³C NMR (126 MHz, CDCl₃) δ 171.85, 168.75, 155.37, 148.75, 140.49, 139.14, 136.59 (q, <i>J</i> = 6.4 Hz), 130.45, 123.09 (q, <i>J</i> = 269.1 Hz), 118.41 (q, <i>J</i> = 33.9 Hz), 109.44, 108.37, 79.77, 74.96, 66.47, 56.07, 48.08, 28.66, 19.22, 18.39, 17.85, 14.84

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
168	(Thin film) 3370, 2962, 2873, 1739, 1650, 1576, 1528, 1481, 1451, 1366, 1280, 1264, 1243, 1213, 1184, 1152, 1119, 1093, 1067, 944, 912, 801, 734	ESIMS <i>m/z</i> 397.3 ([M+H] ⁺)	¹ H NMR (500 MHz, CDCl ₃) δ 12.19 (s, 1H), 8.54 (d, <i>J</i> = 8.0 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 4.83 – 4.74 (m, 2H), 3.94 (s, 3H), 3.54 (qd, <i>J</i> = 6.3, 5.0 Hz, 1H), 3.28 (dd, <i>J</i> = 8.7, 6.4 Hz, 1H), 3.03 (dd, <i>J</i> = 8.7, 6.7 Hz, 1H), 2.07 (h, <i>J</i> = 6.7 Hz, 1H), 1.78 (dp, <i>J</i> = 13.3, 6.7 Hz, 1H), 1.59 (d, <i>J</i> = 7.1 Hz, 3H), 1.10 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H), 0.89 (s, 1H), 0.87 (d, <i>J</i> = 6.7 Hz, 3H), 0.86 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 172.05, 168.66, 155.33, 148.73, 140.44, 130.56, 109.38, 82.13, 75.92, 74.47, 56.06, 48.03, 28.80, 28.46, 19.45, 18.60, 17.56, 15.55 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
169	(Thin film) 3370, 2965, 2936, 2876, 1738, 1649, 1576, 1527, 1481, 1451, 1367, 1332, 1280, 1263, 1242, 1213, 1184, 1116, 1091, 944, 801, 734	ESIMS <i>m/z</i> 383.2 ([M+H] ⁺)	¹ H NMR (500 MHz, CDCl ₃) δ 12.19 (s, 1H), 8.54 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 4.84 – 4.74 (m, 2H), 3.94 (s, 3H), 3.55 (td, <i>J</i> = 6.5, 5.4 Hz, 1H), 3.49 (dt, <i>J</i> = 8.9, 6.6 Hz, 1H), 3.24 (dt, <i>J</i> = 8.9, 6.7 Hz, 1H), 2.06 (dq, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.61 – 1.50 (m, 5H), 1.12 (d, <i>J</i> = 6.4 Hz, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H), 0.93 – 0.85 (m, 6H). ¹³ C NMR (126 MHz, CDCl ₃) δ 172.12, 168.67, 155.34, 148.73, 140.45, 130.57, 109.38, 82.03, 74.47, 70.76, 56.06, 48.00, 28.44, 23.26, 19.46, 18.60, 17.39, 15.66 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
170	(Thin film) 3370, 2971, 2880, 1739, 1651, 1576, 1529, 1481, 1454, 1439, 1309, 1281, 1262, 1151, 1063, 1030, 911, 801, 733	ESIMS <i>m/z</i> 451.2 ([M+H] ⁺)	¹ H NMR (500 MHz, CDCl ₃) δ 12.16 (s, 1H), 8.51 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 4.80 – 4.74 (m, 2H), 3.95 (s, 3H), 3.61 – 3.52 (m, 2H), 3.33 (dt, <i>J</i> = 9.1, 6.0 Hz, 1H), 2.20 – 2.08 (m, 2H), 2.04 (h, <i>J</i> = 6.7 Hz, 1H), 1.59 (d, <i>J</i> = 7.2 Hz, 3H), 1.11 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H), 0.89 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 172.04, 168.74, 155.36, 148.75, 140.49, 139.14, 130.49, 127.26 (q, <i>J</i> = 276.0 Hz), 109.44, 81.79, 74.64, 66.88, 56.07, 48.02, 30.73 (q, <i>J</i> = 28.6 Hz), 28.50, 22.81 (d, <i>J</i> = 3.0 Hz), 19.38, 18.50, 17.47, 15.50 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
171	(Thin film) 3366, 2983, 1744, 1648, 1528, 1481, 1240, 1150, 731	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₂₇ N ₂ O ₆ , 451.1864; found, 451.1860	¹ H NMR (400 MHz, CDCl ₃) δ 12.12 (s, 1H), 8.48 (d, <i>J</i> = 8.0 Hz, 1H), 7.96 (d, <i>J</i> = 5.2 Hz, 1H), 7.41 – 7.27 (m, 5H), 7.24 (td, <i>J</i> = 7.3, 1.9 Hz, 2H), 6.93 (td, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.90 – 6.82 (m, 3H), 5.98 (d, <i>J</i> = 4.3 Hz, 1H), 4.81 (p, <i>J</i> = 7.3 Hz, 1H), 4.68 (qd, <i>J</i> = 6.3, 4.3 Hz, 1H), 3.93 (s, 3H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.02, 168.84, 157.67, 155.39, 148.79, 140.49, 136.50, 130.47, 129.51, 128.36, 128.34, 127.17, 121.43, 116.42, 109.51, 78.38, 76.00, 56.07, 47.92, 18.05, 15.31.
172	(Thin film) 3368, 2982, 1743, 1649, 1528, 1480, 1239, 1149, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₂₇ N ₂ O ₆ , 451.1864; found, 451.1860	¹ H NMR (400 MHz, CDCl ₃) δ 12.11 (s, 1H), 8.43 (d, <i>J</i> = 7.9 Hz, 1H), 7.96 (d, <i>J</i> = 5.2 Hz, 1H), 7.42 – 7.29 (m, 5H), 7.30 – 7.21 (m, 2H), 6.96 – 6.90 (m, 3H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 5.96 (d, <i>J</i> = 7.1 Hz, 1H), 4.75 – 4.64 (m, 2H), 3.94 (s, 3H), 1.44 (d, <i>J</i> = 7.2 Hz, 3H), 1.16 (d, <i>J</i> = 6.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.14, 168.71, 158.07, 155.38, 148.78, 140.44, 136.44, 130.52, 129.55, 128.68, 128.56, 127.42, 121.31, 116.13, 109.47, 79.40, 75.55, 56.07, 47.87, 18.01, 16.29.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
173	(Thin film) 3369, 2981, 1738, 1648, 1453, 1240, 732	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₀ H ₂₅ N ₂ O ₆ , 389.1707; found, 389.1697	¹ H NMR (400 MHz, CDCl ₃) δ 12.11 (s, 1H), 8.48 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.31 – 7.21 (m, 2H), 6.94 – 6.88 (m, 3H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 5.20 (p, <i>J</i> = 6.4 Hz, 1H), 4.69 (p, <i>J</i> = 7.3 Hz, 1H), 4.45 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 1.46 (d, <i>J</i> = 7.2 Hz, 3H), 1.34 (d, <i>J</i> = 6.6 Hz, 3H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H).
174	(Thin film) 3369, 2981, 1738, 1649, 1453, 1239, 753, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₀ H ₂₅ N ₂ O ₆ , 389.1707; found, 389.1693	¹ H NMR (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.46 (d, <i>J</i> = 7.9 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.34 – 7.19 (m, 2H), 6.99 – 6.84 (m, 4H), 5.11 (qd, <i>J</i> = 6.4, 4.0 Hz, 1H), 4.67 (p, <i>J</i> = 7.3 Hz, 1H), 4.46 (qd, <i>J</i> = 6.3, 4.0 Hz, 1H), 3.93 (s, 3H), 1.51 (d, <i>J</i> = 7.2 Hz, 3H), 1.36 (d, <i>J</i> = 6.5 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.57, 168.79, 157.86, 155.39, 148.79, 140.48, 130.50, 129.52, 121.31, 116.38, 109.50, 75.42, 74.06, 56.07, 48.02, 18.12, 15.71, 15.00.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
175	(Thin film) 3371, 2968, 1742, 1528, 1148, 728	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₇ F ₂ N ₂ O ₆ , 453.1832; found, 453.1830	¹ H NMR (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.51 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.00 (ddd, <i>J</i> = 10.6, 9.0, 5.3 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 6.70 (ddd, <i>J</i> = 9.7, 6.6, 3.0 Hz, 1H), 6.61 (ddt, <i>J</i> = 8.9, 7.6, 3.2 Hz, 1H), 5.09 (t, <i>J</i> = 5.7 Hz, 1H), 4.78 (p, <i>J</i> = 7.3 Hz, 1H), 4.49 (p, <i>J</i> = 6.1 Hz, 1H), 3.94 (s, 3H), 2.10 (dq, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.94 (d, <i>J</i> = 6.7 Hz, 3H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 116.78 (d, <i>J</i> = 15.2 Hz), -138.19 (d, <i>J</i> = 14.7 Hz).
176	(Thin film) 3370, 2969, 1743, 1528, 1324, 1252, 1158, 1109, 1064	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₃ H ₂₈ F ₃ N ₂ O ₆ , 485.1894; found, 485.1890	¹ H NMR (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.50 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.52 (d, <i>J</i> = 8.6 Hz, 2H), 6.92 (d, <i>J</i> = 8.6 Hz, 2H), 6.88 (d, <i>J</i> = 5.2 Hz, 1H), 5.08 (t, <i>J</i> = 5.7 Hz, 1H), 4.78 (p, <i>J</i> = 7.3 Hz, 1H), 4.59 (p, <i>J</i> = 6.1 Hz, 1H), 3.95 (s, 3H), 2.10 (dq, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.61 (d, <i>J</i> = 7.1 Hz, 3H), 1.33 (d, <i>J</i> = 6.2 Hz, 3H), 0.99 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 61.57 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
177	(Thin film) 3370, 2968, 1742, 1482, 1262, 1132, 731	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₈ FN ₂ O ₆ , 435.1926; found, 435.1924	¹ H NMR (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.51 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.20 (td, <i>J</i> = 8.3, 6.9 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 6.72 – 6.61 (m, 2H), 6.58 (dt, <i>J</i> = 10.9, 2.4 Hz, 1H), 5.06 (t, <i>J</i> = 5.8 Hz, 1H), 4.78 (p, <i>J</i> = 7.3 Hz, 1H), 4.49 (p, <i>J</i> = 6.1 Hz, 1H), 3.94 (s, 3H), 2.10 (dq, <i>J</i> = 13.3, 6.7 Hz, 1H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 111.51 .
178	(Thin film) 3367, 2967, 1740, 1650, 1496, 1243, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₃ H ₃₀ ClN ₂ O ₆ , 465.1787; found, 465.1783	¹ H NMR (400 MHz, CDCl ₃) δ 12.16 (s, 1H), 8.55 (d, <i>J</i> = 8.0 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.15 (d, <i>J</i> = 2.1 Hz, 1H), 7.10 – 6.92 (m, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 6.85 – 6.73 (m, 1H), 5.12 (t, <i>J</i> = 5.7 Hz, 1H), 4.80 (p, <i>J</i> = 7.3 Hz, 1H), 4.48 (h, <i>J</i> = 5.9 Hz, 1H), 3.95 (s, 3H), 2.26 (s, 3H), 2.21 – 2.09 (m, 1H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.94 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.73, 168.79, 155.39, 150.74, 148.80, 140.48, 131.94, 131.01, 130.57, 128.03, 124.15, 115.98, 109.47, 80.19, 74.52, 56.07, 48.16, 28.74, 20.31, 19.33, 18.44, 17.46, 15.16.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
179	(Thin film) 3369, 2968, 1742, 1649, 1478, 1262, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₇ Cl ₂ N ₂ O ₆ , 485.1241; found, 485.1237	¹ H NMR (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.53 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.34 (d, <i>J</i> = 2.6 Hz, 1H), 7.15 (dd, <i>J</i> = 8.8, 2.6 Hz, 1H), 6.92 – 6.83 (m, 2H), 5.11 (dd, <i>J</i> = 6.3, 5.2 Hz, 1H), 4.80 (p, <i>J</i> = 7.3 Hz, 1H), 4.56 – 4.46 (m, 1H), 3.94 (s, 3H), 2.11 (dt, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.94 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.72, 168.81, 155.40, 151.81, 148.80, 140.51, 130.49, 130.31, 127.53, 126.42, 125.25, 116.28, 109.51, 79.83, 74.77, 56.08, 48.11, 28.75, 19.28, 18.37, 17.56, 14.96.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
180	(Thin film) 3370, 2968, 1743, 1605, 1527, 1438, 1139, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₇ ClFN ₂ O ₆ , 469.1536; found, 469.1531	¹H NMR (400 MHz, CDCl₃) δ 12.11 (s, 1H), 8.49 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.88 (d, <i>J</i> = 5.2 Hz, 1H), 6.74 – 6.59 (m, 2H), 6.48 (dt, <i>J</i> = 10.5, 2.3 Hz, 1H), 5.04 (t, <i>J</i> = 5.8 Hz, 1H), 4.77 (p, <i>J</i> = 7.3 Hz, 1H), 4.47 (p, <i>J</i> = 6.1 Hz, 1H), 3.95 (s, 3H), 2.07 (dq, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H). ¹³C NMR (101 MHz, CDCl₃) δ 171.71, 168.87, 163.40 (d, <i>J</i> = 248.1 Hz), 158.95 (d, <i>J</i> = 12.2 Hz), 155.44, 148.84, 140.54, 135.51 (d, <i>J</i> = 13.5 Hz), 130.46, 112.15 (d, <i>J</i> = 3.2 Hz), 109.55, 109.10 (d, <i>J</i> = 25.2 Hz), 102.06 (d, <i>J</i> = 24.7 Hz), 79.77, 73.50, 56.09, 48.11, 28.76, 19.26, 18.31, 17.30, 15.05. ¹⁹F NMR (376 MHz, CDCl₃) δ - 109.89 .

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
181	(Thin film) 3369, 2967, 1742, 1649, 1527, 1479, 1241, 731	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₈ ClN ₂ O ₆ , 451.1630; found, 451.1624	¹ H NMR (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.51 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.17 (t, <i>J</i> = 8.1 Hz, 1H), 6.97 – 6.71 (m, 4H), 5.06 (t, <i>J</i> = 5.7 Hz, 1H), 4.78 (p, <i>J</i> = 7.3 Hz, 1H), 4.54 – 4.45 (m, 1H), 3.94 (s, 3H), 2.11 (ddd, <i>J</i> = 13.8, 7.0, 5.7 Hz, 1H), 1.61 (d, <i>J</i> = 7.1 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.72, 168.84, 158.15, 155.42, 148.82, 140.52, 134.95, 130.49, 130.34, 121.35, 116.26, 114.16, 109.52, 80.08, 73.08, 56.08, 48.14, 28.74, 19.31, 18.37, 17.22, 15.25.
182	(Thin film) 3370, 2968, 1740, 1649, 1505, 1227, 1039, 732	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₃ H ₃₁ N ₂ O ₇ , 447.2126; found, 447.2120	¹ H NMR (400 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.51 (d, <i>J</i> = 8.0 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 6.85 – 6.76 (m, 4H), 4.98 (t, <i>J</i> = 5.7 Hz, 1H), 4.76 (p, <i>J</i> = 7.4 Hz, 1H), 4.40 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 3.75 (s, 3H), 2.17 – 2.07 (m, 1H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.24 (d, <i>J</i> = 6.3 Hz, 3H), 0.97 (app t, <i>J</i> = 6.5 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.15, 168.73, 155.38, 154.14, 151.75, 148.79, 140.43, 130.58, 117.15, 114.68, 109.44, 81.34, 74.28, 56.06, 55.68, 48.05, 28.60, 19.53, 18.50, 17.11, 16.03.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
183	(Thin film) 3370, 2966, 1741, 1649, 1505, 1214, 731	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₃ H ₃₁ N ₂ O ₇ , 447.2126; found, 447.2123	¹ H NMR (400 MHz, CDCl ₃) δ 12.16 (s, 1H), 8.53 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 6.85 – 6.77 (m, 4H), 5.05 (t, <i>J</i> = 5.7 Hz, 1H), 4.78 (p, <i>J</i> = 7.2 Hz, 1H), 4.38 (p, <i>J</i> = 6.1 Hz, 1H), 3.94 (s, 3H), 3.75 (s, 3H), 2.16 – 2.07 (m, 1H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.27 (d, <i>J</i> = 6.3 Hz, 3H), 0.96 (d, <i>J</i> = 6.9 Hz, 3H), 0.93 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 171.73, 168.81, 154.30, 151.47, 148.81, 140.49, 139.13, 130.52, 117.53, 114.73, 109.50, 80.40, 73.99, 56.07, 55.68, 48.17, 28.73, 19.38, 18.46, 17.19, 15.52.
184	(Thin film) 3367, 2939, 1741, 1648, 1505, 1215, 1035, 729	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₀ H ₂₅ N ₂ O ₇ , 405.1656; found, 405.1643	¹ H NMR (400 MHz, CDCl ₃) δ 12.09 (s, 1H), 8.45 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 6.92 – 6.83 (m, 3H), 6.83 – 6.72 (m, 2H), 4.72 (p, <i>J</i> = 7.3 Hz, 1H), 4.50 (pd, <i>J</i> = 6.4, 3.9 Hz, 1H), 4.37 (dd, <i>J</i> = 11.4, 6.7 Hz, 1H), 4.22 (dd, <i>J</i> = 11.4, 4.0 Hz, 1H), 3.94 (s, 3H), 3.76 (s, 3H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.04, 168.81, 155.41, 154.47, 151.69, 148.80, 140.48, 130.44, 117.86, 114.71, 109.51, 73.08, 67.94, 56.07, 55.68, 47.90, 18.19, 16.81.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
185	(Thin film) 3377, 2982, 1770, 1675, 1477, 1196, 1059, 907, 732	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₂₇ Cl ₂ N ₂ O ₇ , 525.1190; found, 525.1203	¹ H NMR (300 MHz, CDCl ₃) δ 8.49 (d, <i>J</i> = 7.8 Hz, 1H), 8.32 (dd, <i>J</i> = 5.5, 0.7 Hz, 1H), 7.35 (dd, <i>J</i> = 2.6, 0.7 Hz, 1H), 7.16 (ddd, <i>J</i> = 8.8, 2.6, 0.7 Hz, 1H), 7.01 (dd, <i>J</i> = 5.5, 0.7 Hz, 1H), 6.88 (d, <i>J</i> = 8.9 Hz, 1H), 5.84 – 5.67 (m, 1H), 5.23 – 4.99 (m, 3H), 4.74 – 4.59 (m, 1H), 4.53 – 4.40 (m, 1H), 3.91 (d, <i>J</i> = 0.7 Hz, 3H), 2.55 (t, <i>J</i> = 6.8 Hz, 2H), 2.39 (d, <i>J</i> = 0.7 Hz, 3H), 1.48 (dd, <i>J</i> = 7.2, 0.7 Hz, 3H), 1.34 (dd, <i>J</i> = 6.4, 0.7 Hz, 3H).
186	(Thin film) 3376, 2961, 1742, 1676, 1494, 1201, 968, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₈ , 489.2231; found, 489.2238	¹ H NMR (300 MHz, CDCl ₃) δ 8.36 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.21 (m, 2H), 6.98 – 6.92 (m, 2H), 6.92 – 6.85 (m, 2H), 5.75 (d, <i>J</i> = 1.5 Hz, 2H), 5.13 (dt, <i>J</i> = 8.7, 4.4 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 4.46 (qd, <i>J</i> = 6.3, 4.5 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.81 – 1.60 (m, 2H), 1.52 (d, <i>J</i> = 7.1 Hz, 3H), 1.40 (ddtd, <i>J</i> = 13.8, 9.3, 6.8, 2.1 Hz, 2H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (t, <i>J</i> = 7.4 Hz, 3H).
187	(Thin film) 3376, 2984, 1746, 1676, 1478, 1201, 1003, 971	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₂₉ Cl ₂ N ₂ O ₈ , 555.1295; found, 555.1310	¹ H NMR (300 MHz, CDCl ₃) δ 8.32 (d, <i>J</i> = 7.6 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 7.35 (d, <i>J</i> = 2.5 Hz, 1H), 7.17 (dd, <i>J</i> = 8.8, 2.6 Hz, 1H), 7.00 – 6.86 (m, 2H), 5.86 – 5.66 (m, 3H), 5.18 (td, <i>J</i> = 6.3, 4.4 Hz, 1H), 5.15 – 5.04 (m, 2H), 4.69 (p, <i>J</i> = 7.2 Hz, 1H), 4.55 – 4.41 (m, 1H), 3.91 (s, 3H), 2.62 – 2.51 (m, 2H), 2.07 (s, 3H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.35 (d, <i>J</i> = 6.4 Hz, 3H).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
296	(Película Delgada) 3371, 2979, 1711, 1493, 1234, 1160, 1053, 752, 691	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₂₄ H ₃₁ NNaO ₆ , 452.2044; encontra 452.2003	¹ H RMN (400 MHz, CDCl ₃) δ 7.31 – 7.20 (m, 4H), 6.98 – 6.84 (m, 6H), 5.38 (td, <i>J</i> = 5.9, 3.8 Hz, 1H), 5.04 (d, <i>J</i> = 7.9 Hz, 1H), 4.72 (p, <i>J</i> = 6.2 Hz, 1H), 4.40 – 4.18 (m, 3H), 1.43 (s, 9H), 1.39 (d, <i>J</i> = 6.4 Hz, 3H), 1.35 (d, <i>J</i> = 7.2 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.87, 158.44, 157.43, 155.03, 129.59, 129.49, 121.54, 121.23, 116.32, 114.66, 79.85, 74.93, 72.68, 65.99, 49.43, 28.32, 18.58, 16.16.
297	(Película Delgada) 3354, 2979, 1712, 1493, 1239, 1162, 1067, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₉ H ₂₉ NNaO ₆ , 390.1887; encontra 390.1896	¹ H RMN (400 MHz, CDCl ₃) δ 7.32 – 7.23 (m, 2H), 6.96 (td, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.93 – 6.87 (m, 2H), 5.19 (td, <i>J</i> = 5.5, 4.4 Hz, 1H), 5.05 (d, <i>J</i> = 7.9 Hz, 1H), 4.61 (p, <i>J</i> = 6.2 Hz, 1H), 4.43 – 4.22 (m, 1H), 3.68 – 3.57 (m, 2H), 3.32 (s, 3H), 1.45 (s, 9H), 1.39 (d, <i>J</i> = 7.2 Hz, 3H), 1.33 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.82, 157.56, 155.05, 129.55, 121.38, 116.27, 79.79, 75.12, 72.53, 70.67, 59.12, 49.44, 28.34, 18.67, 15.97.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
298	(Película Delgada) 3362, 2978, 1712, 1493, 1163, 1067, 752, 694	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₂₅ H ₃₃ NNaO ₆ , 466.2200; encontra 466.2197 ^{da}	¹ H RMN (400 MHz, CDCl ₃) δ 7.34 – 7.22 (m, 7H), 6.95 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.91 – 6.86 (m, 2H), 5.27 – 5.20 (m, 1H), 5.13 – 4.92 (m, 1H), 4.65 (p, <i>J</i> = 6.2 Hz, 1H), 4.56 – 4.42 (m, 2H), 4.33 (q, <i>J</i> = 7.3 Hz, 1H), 3.72 (d, <i>J</i> = 4.8 Hz, 2H), 1.44 (s, 9H), 1.37 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.78, 157.55, 155.01, 137.82, 129.54, 128.36, 127.68, 127.60, 121.34, 116.22, 79.79, 75.22, 73.26, 72.44, 68.16, 49.40, 28.34, 18.70, 15.97.
299	(Película Delgada) 3371, 2981, 1708, 1494, 1156, 1069, 753	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₈ H ₂₅ F ₂ NNaO ₅ , 396.1593; encontra 396.1589 ^{da}	¹ H RMN (400 MHz, CDCl ₃) δ 7.33 – 7.26 (m, 2H), 7.00 (td, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.93 – 6.88 (m, 2H), 6.08 (td, <i>J</i> = 54.4, 2.9 Hz, 1H), 5.29 (dtd, <i>J</i> = 17.2, 6.4, 2.9 Hz, 1H), 5.02 (d, <i>J</i> = 7.6 Hz, 1H), 4.71 – 4.59 (m, 1H), 4.47 – 4.31 (m, 1H), 1.45 (s, 9H), 1.43 (d, <i>J</i> = 7.3 Hz, 3H), 1.37 (dd, <i>J</i> = 6.3, 1.2 Hz, 3H). ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 129.76 (d, <i>J</i> = 292.4 Hz), -132.83 (d, <i>J</i> = 292.5 Hz).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
300	(Película Delgada) 3362, 2976, 1710, 1493, 1239, 1161, 1051, 752, 733	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₂₁ H ₃₃ NNaO ₆ , 418.2200; encontra 418.2203	¹ H RMN (400 MHz, CDCl ₃) δ 7.32 – 7.23 (m, 2H), 6.99 – 6.85 (m, 3H), 5.19 (td, <i>J</i> = 5.6, 4.4 Hz, 1H), 5.06 (d, <i>J</i> = 7.8 Hz, 1H), 4.62 (p, <i>J</i> = 6.2 Hz, 1H), 4.41 – 4.24 (m, 1H), 3.65 (h, <i>J</i> = 6.1 Hz, 2H), 3.36 (ddt, <i>J</i> = 31.1, 9.1, 6.6 Hz, 2H), 1.53 (h, <i>J</i> = 7.1 Hz, 2H), 1.45 (s, 9H), 1.39 (d, <i>J</i> = 7.2 Hz, 3H), 1.33 (d, <i>J</i> = 6.3 Hz, 3H), 0.87 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.78, 157.63, 155.03, 129.52, 121.31, 116.26, 79.76, 75.25, 73.09, 72.60, 68.64, 49.41, 28.35, 22.83, 18.74, 15.93, 10.50.
301	(Película Delgada) 3370, 2956, 1713, 1494, 1240, 1163, 1053, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₂₃ H ₃₇ NNaO ₆ , 446.2513; encontra 446.2503	¹ H RMN (400 MHz, CDCl ₃) δ 7.33 – 7.22 (m, 2H), 6.95 (td, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.92 – 6.85 (m, 2H), 5.18 (q, <i>J</i> = 5.2 Hz, 1H), 5.05 (d, <i>J</i> = 7.8 Hz, 1H), 4.62 (p, <i>J</i> = 6.2 Hz, 1H), 4.41 – 4.24 (m, 1H), 3.70 – 3.59 (m, 2H), 3.42 (ddt, <i>J</i> = 30.8, 9.3, 6.7 Hz, 2H), 1.71 – 1.57 (m, 1H), 1.45 (s, 9H), 1.40 – 1.36 (m, 4H), 1.33 (d, <i>J</i> = 6.3 Hz, 3H), 0.85 (dd, <i>J</i> = 6.6, 5.4 Hz, 7H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.78, 157.62, 155.03, 129.51, 121.30, 116.23, 79.78, 75.27, 72.55, 69.91, 68.70, 49.40, 38.43, 28.35, 25.00, 22.60, 22.56, 18.74, 15.92.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
302	(Película Delgada) 3361, 2973, 2876, 1711, 1497, 1453, 1366, 1207, 1163, 1064, 734, 697	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₁ H ₃₄ NO ₅ , 380.2431; encontra 380.2427 ^{ΔΔ}	¹ H RMN (500 MHz, CDCl ₃) δ 7.37 – 7.24 (m, 5H), 5.13 – 5.05 (m, 1H), 4.94 (t, <i>J</i> = 5.8 Hz, 1H), 4.57 – 4.50 (m, 2H), 4.39 – 4.28 (m, 1H), 3.69 – 3.58 (m, 1H), 2.05 (h, <i>J</i> = 6.7 Hz, 1H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.2 Hz, 3H), 1.18 (d, <i>J</i> = 6.3 Hz, 3H), 0.91 – 0.85 (m, 6H).
303	(Película Delgada) 3372, 2962, 2874, 1716, 1502, 1454, 1366, 1168, 735	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₉ H ₃₇ NO ₅ Na, 382.2564; encontra 382.2563 ^{ΔΔ}	¹ H RMN (500 MHz, CDCl ₃) δ 5.09 (d, <i>J</i> = 7.7 Hz, 1H), 4.84 (t, <i>J</i> = 5.8 Hz, 1H), 4.39 – 4.26 (m, 1H), 3.53 – 3.45 (m, 2H), 3.41 (dt, <i>J</i> = 9.0, 6.8 Hz, 1H), 2.03 (dq, <i>J</i> = 13.5, 6.8 Hz, 1H), 1.72 – 1.62 (m, 1H), 1.50 – 1.35 (m, 14H), 1.11 (d, <i>J</i> = 6.2 Hz, 3H), 0.93 – 0.86 (m, 12H).
304	(Película Delgada) 3365, 2963, 2934, 2874, 1716, 1501, 1454, 1366, 1210, 1168, 1065	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₉ H ₃₇ NO ₅ Na, 382.2564; encontra 382.2561 ^{ΔΔ}	¹ H RMN (500 MHz, CDCl ₃) δ 5.09 (d, <i>J</i> = 7.3 Hz, 1H), 4.85 (t, <i>J</i> = 5.9 Hz, 1H), 4.39 – 4.20 (m, 1H), 3.52 – 3.34 (m, 3H), 2.09 – 1.95 (m, 1H), 1.56 – 1.47 (m, 2H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.1 Hz, 3H), 1.34 – 1.26 (m, 4H), 1.11 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 – 0.86 (m, 9H).
305	(Película Delgada) 3356, 2974, 2936, 2877, 1713, 1501, 1454, 1366, 1165, 1065	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₈ H ₃₃ NO ₅ Na, 366.2251; encontra 366.2249 ^{ΔΔ}	¹ H RMN (500 MHz, CDCl ₃) δ 5.09 (d, <i>J</i> = 7.8 Hz, 1H), 4.86 (t, <i>J</i> = 5.8 Hz, 1H), 4.38 – 4.29 (m, 1H), 3.55 (p, <i>J</i> = 6.2 Hz, 1H), 3.32 (dd, <i>J</i> = 10.0, 6.7 Hz, 1H), 3.26 (dd, <i>J</i> = 10.0, 6.9 Hz, 1H), 2.11 – 1.98 (m, 1H), 1.44 (s, 9H), 1.42 (d, <i>J</i> = 7.2 Hz, 3H), 1.12 (d, <i>J</i> = 6.3 Hz, 3H), 1.06 – 0.95 (m, 1H), 0.95 – 0.87 (m, 6H), 0.52 – 0.48 (m, 2H), 0.21 – 0.15 (m, 2H).

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
306		ESIMS <i>m/z</i> 358.3 ([M+H] ⁺)	¹ H RMN (400 MHz, CDCl ₃) δ 5.09 (d, <i>J</i> = 7.8 Hz, 1H), 4.85 (t, <i>J</i> = 5.9 Hz, 1H), 4.41 – 4.26 (m, 1H), 3.53 – 3.33 (m, 3H), 2.49 (hept, <i>J</i> = 7.3 Hz, 1H), 2.08 – 1.95 (m, 3H), 1.95 – 1.79 (m, 2H), 1.76 – 1.65 (m, 2H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.1 Hz, 3H), 1.11 (d, <i>J</i> = 6.2 Hz, 3H), 0.91 (d, <i>J</i> = 5.5 Hz, 3H), 0.89 (d, <i>J</i> = 5.6 Hz, 3H). ¹³ CRMN . (101 MHz, CDCl ₃) δ 172.92 , 155.02 , 79.92 , 77.20 , 74.33 , 73.43 , 49.55 , 35.28 , 28.56 , 28.32 , 24.99 , 24.89 , 19.34 , 18.98 , 18.54 , 17.25 , 15.37 .
307	(Película Delgada) 3362, 2963, 2934, 2875, 1715, 1501, 1454, 1366, 1166, 1101, 1066	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₈ H ₃₅ NO ₅ Na, 368.2407; encontra 368.2405	¹ H RMN (500 MHz, CDCl ₃) δ 5.08 (d, <i>J</i> = 7.4 Hz, 1H), 4.85 (t, <i>J</i> = 5.9 Hz, 1H), 4.37 – 4.28 (m, 1H), 3.52 – 3.35 (m, 3H), 2.08 – 1.95 (m, 1H), 1.55 – 1.46 (m, 2H), 1.44 (s, 9H), 1.41 (d, <i>J</i> = 7.2 Hz, 3H), 1.39 – 1.30 (m, 2H), 1.11 (d, <i>J</i> = 6.2 Hz, 3H), 0.93 – 0.87 (m, 9H).
308	(Thin film) 3356, 2974, 2932, 2877, 1715, 1501, 1454, 1366, 1166, 1104, 1065	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₉ H ₃₅ NO ₅ Na, 380.2407; encontra 380.2407	¹ H RMN (500 MHz, CDCl ₃) δ 5.08 (d, <i>J</i> = 7.7 Hz, 1H), 4.86 (t, <i>J</i> = 5.8 Hz, 1H), 4.33 (t, <i>J</i> = 7.4 Hz, 1H), 3.57 – 3.42 (m, 3H), 2.04 (h, <i>J</i> = 6.8 Hz, 1H), 1.44 (s, 9H), 1.42 – 1.34 (m, 5H), 1.12 (d, <i>J</i> = 6.2 Hz, 3H), 0.90 (t, <i>J</i> = 6.5 Hz, 6H), 0.76 – 0.66 (m, 1H), 0.45 – 0.36 (m, 2H), 0.06 – 0.01 (m, 2H).

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
309		ESIMS <i>m/z</i> 314.2 ([M+H] ⁺)	
310		ESIMS <i>m/z</i> 298.2 ([M+H] ⁺)	
311		ESIMS <i>m/z</i> 298.2 ([M+H] ⁺)	
312		ESIMS <i>m/z</i> 256.2 ([M+H] ⁺)	
313		ESIMS <i>m/z</i> 280.2 ([M+H] ⁺)	
314		ESIMS <i>m/z</i> 280.2 ([M+H] ⁺)	

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
315		ESIMS <i>m/z</i> 238.2 ([M+H] ⁺)	
316		ESIMS <i>m/z</i> 252.2 ([M+H] ⁺)	
317		ESIMS <i>m/z</i> 252.2 ([M+H] ⁺)	
318		ESIMS <i>m/z</i> 250.2 ([M+H] ⁺)	
319		ESIMS <i>m/z</i> 250.2 ([M+H] ⁺)	
320		ESIMS <i>m/z</i> 330.2 ([M+H] ⁺)	

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
321		ESIMS <i>m/z</i> 268.2 ([M+H] ⁺)	
322		ESIMS <i>m/z</i> 344.2 ([M+H] ⁺)	
323		ESIMS <i>m/z</i> 274.1 ([M+H] ⁺)	
324		ESIMS <i>m/z</i> 296.2 ([M+H] ⁺)	
325		ESIMS <i>m/z</i> 324.2 ([M+H] ⁺)	
326	(Película Delgada) 3392, 2964, 2876, 1743, 1602, 1496, 1453, 1374, 1236, 1206, 1099, 1026, 911, 736, 697	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd p o C ₁₆ H ₂₆ NO ₃ , 280.1907; encontra 280.1897 ^{2^}	

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
327	(Película Delgada) 3394, 2956, 2871, 1744, 1598, 1513, 1464, 1368, 1235, 1207, 1117, 1101, 910	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₄ H ₃₀ NO ₃ , 260.2220; encontra 260.2197	
328	(Película Delgada) 3396, 2959, 2932, 2873, 1744, 1622, 1515, 1460, 1377, 1237, 1209, 1102, 912, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₄ H ₃₀ NO ₃ , 260.2220; encontra 260.2213	
329	(Película Delgada) 3387, 2966, 1743, 1627, 1521, 1461, 1388, 1239, 1211, 1117, 1040, 911	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₃ H ₂₆ NO ₃ , 244.1907; encontra 244.1901	
330	(Película Delgada) 3396, 2966, 2934, 2874, 1744, 1598, 1515, 1465, 1240, 1207, 1103, 911, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₄ H ₂₈ NO ₃ , 258.2064; encontra 258.2056	

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
331	(Película Delgada) 3389, 2960, 2933, 2873, 1744, 1599, 1513, 1462, 1378, 1236, 1207, 1116, 1101, 910, 737	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₃ H ₂₈ NO ₃ , 246.2064; encontra 246.2061 ^{da}	
332	(Película Delgada) 3395, 2964, 2931, 1744, 1620, 1515, 1461, 1377, 1237, 1209, 1103, 912, 737	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₁₄ H ₂₈ NO ₃ , 258.2064; encontra 258.2053 ^{da}	
333	(Película Delgada) 3369, 2980, 1741, 1649, 1528, 1453, 1240, 752	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₆ H ₂₉ N ₂ O ₆ , 465.2020; encontra 465.1996 ^{da}	¹ H RMN (400 MHz, CDCl ₃) δ 12.12 (s, 1H), 8.35 (d, <i>J</i> = 7.9 Hz, 1H), 7.96 (d, <i>J</i> = 5.1 Hz, 1H), 7.32 – 7.14 (m, 6H), 6.95 (td, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.90 – 6.83 (m, 3H), 5.36 (dt, <i>J</i> = 9.0, 4.5 Hz, 1H), 4.59 (p, <i>J</i> = 7.3 Hz, 1H), 4.51 (qd, <i>J</i> = 6.3, 4.6 Hz, 1H), 3.93 (s, 3H), 3.13 (dd, <i>J</i> = 14.3, 4.5 Hz, 1H), 3.03 (dd, <i>J</i> = 14.3, 9.0 Hz, 1H), 2.02 – 1.85 (m, 1H), 1.36 (d, <i>J</i> = 6.3 Hz, 3H), 1.27 (d, <i>J</i> = 7.2 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.54, 168.68, 157.56, 155.38, 148.79, 140.43, 136.76, 130.47, 129.56, 129.40, 128.41, 126.70, 121.35, 116.24, 109.48, 77.45, 74.16, 56.07, 47.95, 36.05, 17.94, 15.78.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
334	(Película Delgada) 3371, 2968, 1743, 1651, 1497, 1207, 802	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₃₀ FN ₂ O ₆ , 449.2082; encontra 449.2074	¹ H RMN (400 MHz, CDCl ₃) δ 12.12 (s, 1H), 8.48 (d, <i>J</i> = 8.0 Hz, 1H), 7.96 (d, <i>J</i> = 5.2 Hz, 1H), 6.89 – 6.68 (m, 4H), 5.02 (t, <i>J</i> = 5.6 Hz, 1H), 4.77 (p, <i>J</i> = 7.3 Hz, 1H), 4.48 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 2.20 – 2.08 (m, 4H), 1.48 (d, <i>J</i> = 7.1 Hz, 3H), 1.23 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (dd, <i>J</i> = 6.8, 2.8 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.00, 168.73, 156.80 (d, <i>J</i> = 238.3 Hz), 155.40, 151.52 (d, <i>J</i> = 2.2 Hz), 148.80, 140.43, 130.49, 129.69 (d, <i>J</i> = 7.5 Hz), 117.52 (d, <i>J</i> = 22.6 Hz), 112.78 (d, <i>J</i> = 8.4 Hz), 112.34 (d, <i>J</i> = 22.8 Hz), 109.45, 81.24, 73.60, 56.07, 48.07, 28.71, 19.50, 18.33, 17.22, 16.39, 15.88. ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 124.25 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
335	(Película Delgada) 3370, 2968, 1743, 1650, 1496, 1205, 801	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₃₀ FN ₂ O ₆ , 449.2082; encontra 449.2074	¹ H RMN (400 MHz, CDCl ₃) δ 12.14 (s, 1H), 8.52 (d, <i>J</i> = 8.0 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 6.80 (ddd, <i>J</i> = 17.8, 8.9, 3.1 Hz, 2H), 6.71 (dd, <i>J</i> = 8.8, 4.6 Hz, 1H), 5.10 (t, <i>J</i> = 5.8 Hz, 1H), 4.80 (p, <i>J</i> = 7.3 Hz, 1H), 4.45 (p, <i>J</i> = 6.1 Hz, 1H), 3.95 (s, 3H), 2.17 – 2.03 (m, 4H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.27 (d, <i>J</i> = 6.2 Hz, 3H), 0.99 (d, <i>J</i> = 6.9 Hz, 3H), 0.94 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.78, 168.80, 156.96 (d, <i>J</i> = 238.4 Hz), 155.42, 151.37 (d, <i>J</i> = 2.1 Hz), 148.82, 140.50, 130.50, 129.88 (d, <i>J</i> = 7.6 Hz), 117.61 (d, <i>J</i> = 22.7 Hz), 113.33 (d, <i>J</i> = 8.6 Hz), 112.39 (d, <i>J</i> = 22.8 Hz), 109.51, 80.48, 73.34, 56.08, 48.11, 28.87, 19.35, 18.46, 17.49, 16.52, 15.04. ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 123.99 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
336	(Película Delgada) 3369, 2979, 1743, 1649, 1495, 1261, 1201, 800	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₀ H ₂₄ FN ₂ O ₆ , 407.1613; encontra 407.1607	¹ H RMN (400 MHz, CDCl ₃) δ 12.06 (s, 1H), 8.42 (d, <i>J</i> = 7.9 Hz, 1H), 7.96 (d, <i>J</i> = 5.2 Hz, 1H), 6.90 – 6.74 (m, 3H), 4.72 (p, <i>J</i> = 7.3 Hz, 1H), 4.52 (pd, <i>J</i> = 6.4, 3.8 Hz, 1H), 4.40 (dd, <i>J</i> = 11.4, 6.7 Hz, 1H), 4.25 (dd, <i>J</i> = 11.4, 3.8 Hz, 1H), 3.94 (s, 3H), 2.17 (s, 3H), 2.02 – 1.85 (m, 1H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H). ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 123.30 .
337	(Película Delgada) 3372, 2968, 1742, 1651, 1509, 1241, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₃₁ N ₂ O ₆ , 431.2177; encontra 431.2157	¹ H RMN (400 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.51 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.04 (d, <i>J</i> = 8.3 Hz, 2H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 6.81 – 6.72 (m, 2H), 4.99 (t, <i>J</i> = 5.7 Hz, 1H), 4.78 – 4.70 (m, 1H), 4.48 (t, <i>J</i> = 6.2 Hz, 1H), 3.94 (d, <i>J</i> = 2.0 Hz, 3H), 2.26 (s, 3H), 2.13 (ddd, <i>J</i> = 13.6, 12.3, 6.4 Hz, 1H), 1.47 (d, <i>J</i> = 7.2 Hz, 3H), 1.25 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (dd, <i>J</i> = 6.8, 2.2 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.18, 168.72, 155.57, 155.37, 148.79, 140.43, 130.60, 130.29, 129.95, 115.67, 109.43, 81.31, 73.34, 56.06, 48.04, 28.60, 20.45, 19.52, 18.49, 17.11, 15.99.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
338	(Película Delgada) 3369, 2967, 1741, 1649, 1508, 1263, 801, 731	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₃₁ N ₂ O ₆ , 431.2177; encontra 431.2153	¹ H RMN (400 MHz, CDCl ₃) δ 12.16 (s, 1H), 8.53 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.10 – 7.00 (m, 2H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 6.80 – 6.72 (m, 2H), 5.06 (t, <i>J</i> = 5.8 Hz, 1H), 4.77 (p, <i>J</i> = 7.3 Hz, 1H), 4.46 (p, <i>J</i> = 6.1 Hz, 1H), 3.94 (s, 3H), 2.27 (s, 3H), 2.17 – 2.08 (m, 1H), 1.60 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.2 Hz, 3H), 0.96 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.72, 168.82, 155.39, 155.27, 148.80, 140.49, 130.53, 130.48, 130.00, 115.95, 109.50, 80.41, 72.91, 56.07, 48.17, 28.71, 20.47, 19.37, 18.45, 17.11, 15.53.
339	(Película Delgada) 3364, 2981, 1742, 1648, 1529, 1238, 801, 733	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₀ H ₂₅ N ₂ O ₆ , 389.1707; encontra 389.1695	¹ H RMN (400 MHz, CDCl ₃) δ 12.09 (s, 1H), 8.45 (d, <i>J</i> = 7.9 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.11 – 7.00 (m, 2H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 6.84 – 6.77 (m, 2H), 4.71 (p, <i>J</i> = 7.3 Hz, 1H), 4.58 (pd, <i>J</i> = 6.4, 4.0 Hz, 1H), 4.39 (dd, <i>J</i> = 11.4, 6.7 Hz, 1H), 4.22 (dd, <i>J</i> = 11.5, 4.1 Hz, 1H), 3.94 (s, 3H), 2.27 (s, 3H), 1.51 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.2 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.04, 168.80, 155.55, 155.40, 148.80, 140.48, 130.73, 130.45, 129.99, 116.25, 109.50, 72.05, 67.91, 56.07, 47.89, 20.48, 18.18, 16.75.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
340	(Película Delgada) 3369, 2973, 1740, 1648, 1454, 1239, 800, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₁ H ₂₇ N ₂ O ₆ , 403.1864; encontra 403.1849	¹ H RMN (400 MHz, CDCl ₃) δ 12.15 (s, 1H), 8.49 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.31 – 7.19 (m, 2H), 6.98 – 6.85 (m, 3H), 5.07 (dt, <i>J</i> = 7.8, 4.7 Hz, 1H), 4.71 (p, <i>J</i> = 7.3 Hz, 1H), 4.48 (qd, <i>J</i> = 6.3, 4.4 Hz, 1H), 3.94 (s, 3H), 2.02 – 1.69 (m, 3H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.90, 168.80, 157.75, 155.40, 148.81, 140.48, 130.52, 129.53, 121.26, 116.24, 109.50, 78.44, 74.46, 56.07, 48.14, 22.86, 18.29, 15.65, 9.81.
341	(Película Delgada) 3368, 2974, 1739, 1648, 1528, 1481, 1240, 800, 732	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₁ H ₂₇ N ₂ O ₆ , 403.1864; encontra 403.1825	¹ H RMN (400 MHz, CDCl ₃) δ 12.12 (s, 1H), 8.50 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.30 – 7.19 (m, 2H), 6.96 – 6.85 (m, 3H), 5.10 (ddd, <i>J</i> = 9.3, 5.6, 4.1 Hz, 1H), 4.73 (p, <i>J</i> = 7.4 Hz, 1H), 4.48 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 2.01 – 1.61 (m, 3H), 1.48 (d, <i>J</i> = 7.1 Hz, 3H), 1.28 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 (t, <i>J</i> = 7.5 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.12, 168.77, 157.75, 155.40, 148.80, 140.47, 130.54, 129.54, 121.06, 115.72, 109.47, 78.03, 73.61, 56.07, 48.05, 22.74, 18.37, 15.55, 9.69.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
342	(Película Delgada) 3370, 2983, 1743, 1649, 1528, 1481, 1240, 801, 733	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₁ H ₂₅ N ₂ O ₆ , 401.1707; encontra 401.1683	¹ H RMN (400 MHz, CDCl ₃) δ 12.12 (s, 1H), 8.47 (d, <i>J</i> = 7.8 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.31 – 7.22 (m, 2H), 7.03 – 6.85 (m, 3H), 5.96 (ddd, <i>J</i> = 17.3, 10.6, 6.7 Hz, 1H), 5.52 – 5.28 (m, 3H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.54 (qd, <i>J</i> = 6.3, 3.6 Hz, 1H), 3.94 (s, 3H), 2.00 – 1.85 (m, 1H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.4 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.21, 168.81, 157.75, 155.39, 148.80, 140.48, 131.89, 130.49, 129.53, 121.45, 119.72, 116.49, 109.50, 77.75, 75.01, 56.07, 47.99, 18.13, 15.50.
343	(Película Delgada) 3369, 2982, 1743, 1648, 1528, 1481, 1240, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₁ H ₂₅ N ₂ O ₆ , 401.1707; encontra 401.1686	¹ H RMN (400 MHz, CDCl ₃) δ 12.09 (s, 1H), 8.48 (d, <i>J</i> = 7.9 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.31 – 7.20 (m, 2H), 6.94 – 6.89 (m, 2H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 5.90 (ddd, <i>J</i> = 17.2, 10.6, 6.6 Hz, 1H), 5.52 (tt, <i>J</i> = 6.5, 1.2 Hz, 1H), 5.44 (dt, <i>J</i> = 17.3, 1.3 Hz, 1H), 5.35 (dt, <i>J</i> = 10.6, 1.3 Hz, 1H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.51 (p, <i>J</i> = 6.3 Hz, 1H), 3.93 (d, <i>J</i> = 1.6 Hz, 3H), 2.02 – 1.85 (m, 1H), 1.46 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.38, 168.75, 157.69, 155.38, 148.78, 140.47, 131.70, 130.47, 129.54, 121.23, 119.91, 115.87, 109.49, 77.43, 74.08, 56.07, 48.02, 18.26, 15.74.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
344	(Película Delgada) 3366, 2939, 1746, 1528, 1481, 1239, 1049, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd: po C ₂₆ H ₂₉ N ₂ O ₇ , 481.1969; encontra do 481.1955	¹ H RMN (400 MHz, CDCl ₃) δ 12.09 (s, 1H), 8.47 (d, <i>J</i> = 7.7 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.34 – 7.18 (m, 4H), 7.01 – 6.80 (m, 7H), 5.43 (td, <i>J</i> = 5.9, 3.7 Hz, 1H), 4.80 – 4.67 (m, 2H), 4.36 – 4.22 (m, 2H), 3.92 (s, 3H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.40 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.76, 168.87, 158.42, 157.40, 155.38, 148.80, 140.48, 130.42, 129.60, 129.49, 121.58, 121.26, 116.31, 114.66, 109.51, 75.36, 72.71, 65.94, 56.05, 48.06, 18.11, 16.18.
345	(Película Delgada) 3366, 2937, 1744, 1528, 1481, 1240, 1042, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd: po C ₂₁ H ₂₇ N ₂ O ₇ , 419.1813; encontra do 419.1797	¹ H RMN (400 MHz, CDCl ₃) δ 12.12 (s, 1H), 8.48 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.31 – 7.21 (m, 2H), 7.01 – 6.83 (m, 4H), 5.24 (td, <i>J</i> = 5.6, 4.3 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 4.62 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 3.66 (dd, <i>J</i> = 4.9, 1.5 Hz, 2H), 3.33 (s, 3H), 1.57 (d, <i>J</i> = 7.2 Hz, 3H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.72, 168.83, 157.52, 155.40, 148.80, 140.49, 130.50, 129.55, 121.42, 116.26, 109.51, 75.53, 72.58, 70.61, 59.14, 56.07, 48.06, 18.19, 15.97.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
346	(Película Delgada) 3367, 2938, 1743, 1528, 1481, 1240, 1043, 732	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₇ H ₃₁ N ₂ O ₇ , encontra 495.2126; encontra 495.2116	¹ H ^{RMN} (400 MHz, CDCl ₃) δ 12.12 (s, 1H), 8.47 (d, <i>J</i> = 7.8 Hz, 1H), 7.97 (d, <i>J</i> = 5.2 Hz, 1H), 7.36 – 7.18 (m, 7H), 6.95 (tt, <i>J</i> = 7.2, 1.1 Hz, 1H), 6.92 – 6.87 (m, 2H), 6.85 (d, <i>J</i> = 5.2 Hz, 1H), 5.32 – 5.24 (m, 1H), 4.79 – 4.63 (m, 2H), 4.55 – 4.44 (m, 2H), 3.93 (s, 3H), 3.76 (d, <i>J</i> = 4.9 Hz, 2H), 1.54 (d, <i>J</i> = 7.2 Hz, 3H), 1.33 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C ^{RMN} (101 MHz, CDCl ₃) δ 171.68, 168.82, 157.52, 155.39, 148.80, 140.48, 137.80, 130.48, 129.54, 128.36, 127.67, 127.56, 121.38, 116.23, 109.50, 75.68, 73.28, 72.47, 68.11, 56.06, 48.05, 18.20, 16.00.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
347	(Película Delgada) 3366, 2986, 1759, 1649, 1529, 1241, 1146, 1041, 755	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₀ H ₂₃ F ₂ N ₂ O ₆ , 425.1519; encontra 425.1508	¹H RMN (400 MHz, CDCl₃) δ 12.01 (s, 1H), 8.44 (d, <i>J</i> = 7.7 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.35 – 7.23 (m, 2H), 7.04 – 6.95 (m, 1H), 6.93 – 6.89 (m, 2H), 6.88 (d, <i>J</i> = 5.2 Hz, 1H), 6.29 – 5.96 (m, 1H), 5.33 (dtd, <i>J</i> = 17.3, 6.3, 3.0 Hz, 1H), 4.78 (p, <i>J</i> = 7.3 Hz, 1H), 4.71 – 4.61 (m, 1H), 3.94 (s, 3H), 1.61 (d, <i>J</i> = 7.2 Hz, 3H), 1.38 (dd, <i>J</i> = 6.3, 1.2 Hz, 3H). ¹³C RMN (101 MHz, CDCl₃) δ 171.29, 168.98, 156.67, 155.45, 148.86, 140.57, 130.34, 129.72, 122.08, 116.38, 112.82 (dd, <i>J</i> = 245.6, 243.0 Hz), 109.61, 73.45 (dd, <i>J</i> = 22.7, 20.6 Hz), 71.70 – 71.53 (m), 56.10, 47.90, 17.96, 16.06 (d, <i>J</i> = 2.1 Hz). ¹⁹F RMN (376 MHz, CDCl₃) δ - 129.59 (dd, <i>J</i> = 292.9, 2.5 Hz), - 132.79 (dd, <i>J</i> = 293.3, 4.2 Hz).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
348	(Película Delgada) 3370, 2964, 1744, 1527, 1481, 1240, 1151, 1043, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd: po C ₂₃ H ₃₁ N ₂ O ₇ , 447.2126; encontra 447.2091	¹ H RMN (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.49 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 7.32 – 7.18 (m, 2H), 7.00 – 6.85 (m, 4H), 5.24 (td, <i>J</i> = 5.6, 4.3 Hz, 1H), 4.74 (p, <i>J</i> = 7.3 Hz, 1H), 4.69 – 4.60 (m, 1H), 3.94 (s, 3H), 3.77 – 3.65 (m, 1H), 3.37 (ddt, <i>J</i> = 30.9, 9.2, 6.6 Hz, 2H), 2.03 – 1.81 (m, 1H), 1.55 (dd, <i>J</i> = 13.6, 7.1 Hz, 5H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H), 0.86 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.69, 168.81, 157.60, 155.40, 148.81, 140.48, 130.52, 129.53, 121.36, 116.26, 109.50, 75.72, 73.13, 72.64, 68.58, 56.07, 48.06, 22.83, 18.24, 15.95, 10.48.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
349	(Película Delgada) 3371, 2954, 1745, 1650, 1528, 1241, 1046, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₅ N ₂ O ₇ . 475.2439; encontra 475.2428	¹ H RMN (400 MHz, CDCl ₃) δ 12.13 (s, 1H), 8.48 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.35 – 7.21 (m, 2H), 6.95 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.92 – 6.88 (m, 2H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 5.23 (td, <i>J</i> = 5.5, 4.5 Hz, 1H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.64 (p, <i>J</i> = 6.2 Hz, 1H), 3.94 (s, 3H), 3.70 – 3.67 (m, 2H), 3.42 (ddt, <i>J</i> = 30.3, 9.4, 6.7 Hz, 2H), 1.63 (p, <i>J</i> = 6.7 Hz, 1H), 1.56 (d, <i>J</i> = 7.2 Hz, 3H), 1.40 (q, <i>J</i> = 6.8 Hz, 2H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H), 0.85 (dd, <i>J</i> = 6.7, 5.3 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.70, 168.80, 157.59, 155.41, 148.82, 140.47, 130.53, 129.53, 121.35, 116.23, 109.49, 75.74, 72.59, 69.95, 68.63, 56.08, 48.05, 38.43, 25.01, 22.60, 22.56, 18.24, 15.95.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
350	(Película Delgada) 3368, 2966, 2876, 1738, 1648, 1615, 1575, 1527, 1480, 1437, 1279, 1262, 1211, 1095, 1062, 943, 732	ESIMS <i>m/z</i> 431.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 12.18 (s, 1H), 8.53 (d, <i>J</i> = 7.9 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 7.31 (d, <i>J</i> = 4.4 Hz, 4H), 7.26 (s, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 5.03 – 4.95 (m, 1H), 4.76 (p, <i>J</i> = 7.3 Hz, 1H), 4.56 – 4.50 (m, 2H), 3.95 (s, 3H), 3.71 – 3.62 (m, 1H), 2.11 – 2.01 (m, 1H), 1.57 (d, <i>J</i> = 2.8 Hz, 3H), 1.18 (d, <i>J</i> = 6.3 Hz, 3H), 0.90 (d, <i>J</i> = 7.0 Hz, 3H), 0.90 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 171.89 , 168.70 , 155.34 , 148.74 , 140.46 , 138.30 , 130.54 , 128.34 , 127.72 , 127.57 , 109.41 , 80.13 , 73.63 , 70.65 , 56.07 , 48.13 , 28.57 , 19.35 , 18.52 , 17.48 , 15.17 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
351	(Película Delgada) 3370, 2958, 2872, 1739, 1649, 1576, 1527, 1480, 1452, 1438, 1330, 1280, 1263, 1242, 1211, 1150, 1122, 1097, 1061, 943, 849, 801, 733	ESIMS <i>m/z</i> 411.3 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 12.18 (s, 1H), 8.54 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 4.89 (t, <i>J</i> = 5.8 Hz, 1H), 4.75 (p, <i>J</i> = 7.3 Hz, 1H), 3.94 (s, 3H), 3.54 – 3.44 (m, 2H), 3.41 (dt, <i>J</i> = 9.0, 6.8 Hz, 1H), 2.11 – 1.98 (m, 1H), 1.67 (dp, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.57 (d, <i>J</i> = 2.1 Hz, 3H), 1.48 – 1.33 (m, <i>J</i> = 6.8 Hz, 2H), 1.12 (d, <i>J</i> = 6.2 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 6.9 Hz, 3H), 0.87 (d, <i>J</i> = 6.7 Hz, 3H), 0.87 (d, <i>J</i> = 6.6 Hz, 3H). ¹³ C RMN . (126 MHz, CDCl ₃) δ 171.82 , 168.69 , 155.34 , 148.73 , 140.46 , 130.55 , 109.40 , 80.40 , 74.24 , 67.28 , 56.07 , 48.14 , 38.86 , 28.54 , 24.93 , 22.69 , 22.49 , 19.39 , 18.55 , 17.31 , 15.34 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
352	(Película Delgada) 3368, 2960, 2934, 2873, 1740, 1650, 1576, 1527, 1481, 1452, 1378, 1332, 1280, 1263, 1242, 1211, 1151, 1099, 1061, 945, 910, 849, 801, 736	ESIMS <i>m/z</i> 411.3 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 12.18 (s, 1H), 8.54 (d, <i>J</i> = 7.8 Hz, 1H), 7.98 (d, <i>J</i> = 5.2 Hz, 1H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 4.90 (t, <i>J</i> = 5.9 Hz, 1H), 4.75 (p, <i>J</i> = 7.3 Hz, 1H), 3.94 (s, 3H), 3.54 – 3.35 (m, 3H), 2.09 – 1.99 (m, 1H), 1.57 (d, <i>J</i> = 5.4 Hz, 3H), 1.54 – 1.46 (m, 2H), 1.33 – 1.24 (m, 4H), 1.12 (d, <i>J</i> = 6.3 Hz, 3H), 0.91 (dd, <i>J</i> = 6.8, 1.1 Hz, 6H), 0.89 – 0.85 (m, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 171.82, 168.69, 155.34, 148.73, 140.46, 130.55, 109.40, 80.33, 74.23, 69.05, 56.07, 48.14, 29.71, 28.55, 28.34, 22.50, 19.37, 18.56, 17.34, 15.36, 14.01.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
353	(Película Delgada) 3369, 2966, 2876, 1738, 1648, 1576, 1526, 1480, 1438, 1327, 1279, 1262, 1242, 1211, 1150, 1092, 1062, 1040, 944, 849, 800, 733	ESIMS <i>m/z</i> 395.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 12.18 (d, <i>J</i> = 0.6 Hz, 1H), 8.53 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.86 (d, <i>J</i> = 5.1 Hz, 1H), 4.91 (t, <i>J</i> = 5.8 Hz, 1H), 4.80 – 4.72 (m, 1H), 3.94 (s, 3H), 3.57 (p, <i>J</i> = 6.2 Hz, 1H), 3.32 (dd, <i>J</i> = 9.9, 6.7 Hz, 1H), 3.27 (dd, <i>J</i> = 9.9, 6.9 Hz, 1H), 2.11 – 2.01 (m, 1H), 1.59 (d, <i>J</i> = 7.1 Hz, 3H), 1.13 (d, <i>J</i> = 6.3 Hz, 3H), 1.07 – 0.95 (m, 1H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 7.0 Hz, 3H), 0.52 – 0.44 (m, 2H), 0.20 – 0.16 (m, 2H). ¹³ C RMN (126 MHz, CDCl ₃) δ 171.84 , 168.70 , 155.34 , 148.73 , 140.46 , 130.55 , 109.40 , 80.08 , 73.84 , 73.57 , 56.07 , 48.14 , 28.57 , 19.35 , 18.55 , 17.40 , 15.45 , 10.81 , 2.96 , 2.94 .
354	(Película Delgada) 3365, 2966, 2936, 2875, 1740, 1649, 1576, 1528, 1481, 1452, 1378, 1328, 1280, 1264, 1183, 1151, 1126, 1061, 944, 849, 801, 737	ESIMS <i>m/z</i> 409.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 12.18 (d, <i>J</i> = 0.6 Hz, 1H), 8.53 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.86 (d, <i>J</i> = 5.2 Hz, 1H), 4.90 (t, <i>J</i> = 5.8 Hz, 1H), 4.75 (p, <i>J</i> = 7.2 Hz, 1H), 3.94 (s, 3H), 3.50 (p, <i>J</i> = 6.2 Hz, 1H), 3.44 (dd, <i>J</i> = 9.1, 6.5 Hz, 1H), 3.38 (dd, <i>J</i> = 9.1, 6.8 Hz, 1H), 2.55 – 2.43 (m, <i>J</i> = 7.3 Hz, 1H), 2.09 – 1.96 (m, 3H), 1.92 – 1.76 (m, 2H), 1.75 – 1.65 (m, 2H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.12 (d, <i>J</i> = 6.2 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 7.0 Hz, 3H).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
355	(Película Delgada) 3367, 2961, 2934, 2873, 1739, 1649, 1576, 1526, 1480, 1451, 1438, 1378, 1330, 1279, 1263, 1211, 1182, 1150, 1096, 1060, 943, 849, 801	ESIMS <i>m/z</i> 397.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 12.18 (d, <i>J</i> = 0.6 Hz, 1H), 8.54 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 4.90 (t, <i>J</i> = 5.8 Hz, 1H), 4.79 – 4.70 (m, 1H), 3.94 (s, 3H), 3.55 – 3.35 (m, 3H), 2.09 – 1.99 (m, 1H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.53 – 1.45 (m, 2H), 1.39 – 1.28 (m, 2H), 1.12 (d, <i>J</i> = 6.3 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 6.9 Hz, 3H), 0.88 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 171.82 , 168.70 , 155.34 , 148.73 , 140.46 , 130.55 , 109.40 , 80.35 , 74.23 , 68.74 , 56.07 , 48.14 , 32.12 , 28.54 , 19.36 , 18.55 , 17.33 , 15.36 , 13.89 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
356	(Película Delgada) 3371, 2966, 2935, 2876, 1739, 1648, 1576, 1526, 1480, 1438, 1330, 1263, 1242, 1211, 1183, 1150, 1100, 1060, 944, 800	ESIMS <i>m/z</i> 409.2 ([M+H] ⁺)	¹ HRMN (500 MHz, CDCl ₃) δ 12.18 (s, 1H), 8.54 (d, <i>J</i> = 7.8 Hz, 1H), 7.99 (d, <i>J</i> = 5.2 Hz, 1H), 6.87 (d, <i>J</i> = 5.2 Hz, 1H), 4.91 (t, <i>J</i> = 5.8 Hz, 1H), 4.75 (p, <i>J</i> = 7.2 Hz, 1H), 3.95 (s, 3H), 3.57 – 3.50 (m, 2H), 3.47 (dt, <i>J</i> = 8.9, 6.8 Hz, 1H), 2.10 – 1.99 (m, 1H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.49 – 1.33 (m, 2H), 1.13 (d, <i>J</i> = 6.2 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H), 0.92 (d, <i>J</i> = 7.0 Hz, 3H), 0.76 – 0.66 (m, 1H), 0.42 – 0.35 (m, 2H), 0.06 – 0.00 (m, 2H). ¹³ CRMN (126 MHz, CDCl ₃) δ 171.82, 168.69, 155.34, 148.73, 140.46, 130.54, 109.40, 80.36, 74.35, 69.07, 56.07, 48.14, 35.13, 28.57, 19.36, 18.55, 17.38, 15.35, 7.93, 4.23, 4.11.
357	(Película Delgada) 3372, 2983, 1770, 1675, 1507, 1196, 909, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₈ H ₃₁ N ₂ O ₇ , 507.2126, encontra 507.2113	¹ HRMN (300 MHz, CDCl ₃) δ 8.42 (d, <i>J</i> = 7.9 Hz, 1H), 8.31 (d, <i>J</i> = 5.5 Hz, 1H), 7.34 – 7.12 (m, 7H), 7.05 – 6.82 (m, 4H), 5.35 (dt, <i>J</i> = 8.6, 4.8 Hz, 1H), 4.67 – 4.54 (m, 1H), 4.47 (qd, <i>J</i> = 6.2, 4.8 Hz, 1H), 3.90 (s, 3H), 3.18 – 2.91 (m, 2H), 2.38 (s, 3H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H), 1.26 – 1.20 (m, 3H). ¹³ CRMN (75 MHz, CDCl ₃) δ 172.07, 168.94, 162.36, 159.45, 157.46, 146.66, 141.47, 137.49, 136.80, 129.56, 129.48, 128.40, 126.67, 121.24, 116.15, 109.77, 77.11, 73.99, 56.31, 48.00, 36.25, 20.77, 18.30, 15.71.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
358	(Película Delgada) 3381, 2968, 1771, 1676, 1496, 1200, 909, 733	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₂ FN ₂ O ₇ , 491.2188, encontra 491.2183 [~]	¹ H RMN (300 MHz, CDCl ₃) δ 8.57 (d, <i>J</i> = 7.8 Hz, 1H), 8.32 (d, <i>J</i> = 5.5 Hz, 1H), 7.01 (d, <i>J</i> = 5.5 Hz, 1H), 6.90 – 6.75 (m, 2H), 6.71 (dd, <i>J</i> = 8.8, 4.7 Hz, 1H), 5.08 (t, <i>J</i> = 5.8 Hz, 1H), 4.85 – 4.72 (m, 1H), 4.43 (p, <i>J</i> = 6.0 Hz, 1H), 3.91 (s, 3H), 2.39 (s, 3H), 2.24 – 2.00 (m, 4H), 1.56 (d, <i>J</i> = 7.2 Hz, 3H), 1.26 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 7.0 Hz, 3H), 0.93 (d, <i>J</i> = 6.7 Hz, 3H). ¹⁹ FRMN (376 MHz, CDCl ₃) δ - 124.13 .
359	(Película Delgada) 3376, 1770, 1675, 1496, 1199, 909, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₆ FN ₂ O ₇ , 449.1719, encontra 449.1712 [~]	¹ H RMN (300 MHz, CDCl ₃) δ 8.48 (d, <i>J</i> = 8.0 Hz, 1H), 8.30 (d, <i>J</i> = 5.5 Hz, 1H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.89 – 6.75 (m, 3H), 4.72 (dq, <i>J</i> = 8.0, 7.2 Hz, 1H), 4.51 (pd, <i>J</i> = 6.3, 4.1 Hz, 1H), 4.38 (dd, <i>J</i> = 11.4, 6.5 Hz, 1H), 4.21 (dd, <i>J</i> = 11.4, 4.0 Hz, 1H), 3.91 (s, 3H), 2.39 (s, 3H), 2.17 (t, <i>J</i> = 0.5 Hz, 3H), 1.47 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ CRMN (75 MHz, CDCl ₃) δ 172.53, 168.93, 162.47, 159.46, 157.15 (d, <i>J</i> = 238.8 Hz), 151.83 (d, <i>J</i> = 2.2 Hz), 146.65, 141.34, 137.52, 130.08 (d, <i>J</i> = 7.5 Hz), 117.42 (d, <i>J</i> = 22.5 Hz), 114.85 (d, <i>J</i> = 8.5 Hz), 112.55 (d, <i>J</i> = 22.6 Hz), 109.82, 73.00, 67.70, 56.45 – 56.15 (m), 47.86, 20.76, 18.41, 16.86, 16.42. ¹⁹ FRMN (376 MHz, CDCl ₃) δ - 123.40 .

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
360	(Película Delgada) 3388, 2976, 1772, 1679, 1509, 1201, 910, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₃ N ₂ O ₇ , 473.2282, encontra-se 473.2272	¹ H RMN (300 MHz, CDCl ₃) δ 8.57 (d, <i>J</i> = 7.8 Hz, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.11 – 6.96 (m, 3H), 6.85 – 6.67 (m, 2H), 4.98 (t, <i>J</i> = 5.7 Hz, 1H), 4.82 – 4.67 (m, 1H), 4.55 – 4.39 (m, 1H), 3.91 (d, <i>J</i> = 1.4 Hz, 3H), 2.39 (d, <i>J</i> = 1.9 Hz, 3H), 2.27 (d, <i>J</i> = 2.2 Hz, 3H), 2.16 – 2.05 (m, 1H), 1.42 (d, <i>J</i> = 7.2 Hz, 3H), 1.25 (d, <i>J</i> = 6.2 Hz, 3H), 0.95 (dd, <i>J</i> = 6.8, 3.1 Hz, 6H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.73, 168.95, 162.38, 159.42, 155.55, 146.69, 141.58, 137.46, 130.20, 129.95, 115.63, 109.71, 80.97, 73.31, 56.26, 48.08, 28.55, 20.77, 20.49, 19.50, 18.81, 17.13, 15.92.
361	(Película Delgada) 3380, 2968, 1771, 1676, 1508, 1199, 909, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₃ N ₂ O ₇ , 473.2282, encontra-se 473.2270	¹ H RMN (300 MHz, CDCl ₃) δ 8.57 (d, <i>J</i> = 7.7 Hz, 1H), 8.33 (d, <i>J</i> = 5.5 Hz, 1H), 7.12 – 6.95 (m, 3H), 6.82 – 6.73 (m, 2H), 5.05 (dd, <i>J</i> = 6.3, 5.2 Hz, 1H), 4.83 – 4.69 (m, 1H), 4.44 (p, <i>J</i> = 6.2 Hz, 1H), 3.90 (s, 3H), 2.40 (s, 3H), 2.27 (s, 3H), 2.20 – 2.05 (m, 1H), 1.56 (d, <i>J</i> = 7.2 Hz, 3H), 1.26 (d, <i>J</i> = 6.1 Hz, 3H), 0.95 (d, <i>J</i> = 7.0 Hz, 3H), 0.91 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.25, 168.95, 162.46, 159.46, 155.23, 146.70, 141.51, 137.50, 130.38, 129.99, 115.87, 109.78, 80.10, 72.74, 56.31, 48.26, 28.67, 20.77, 20.49, 19.37, 18.77, 16.98, 15.56.

No. Comp	IR (cm ⁻¹)	¹ H NMR	RMN (¹ H, ¹³ C o ¹⁹ F)
362	(Película Delgada) 3380, 2983, 1770, 1675, 1508, 1175, 908, 824, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₇ N ₂ O ₇ , 431.1813; ¹ H encontrada 431.1805	¹ H RMN (300 MHz, CDCl ₃) δ 8.50 (d, <i>J</i> = 7.9 Hz, 1H), 8.32 (d, <i>J</i> = 5.5 Hz, 1H), 7.10 – 6.97 (m, 3H), 6.87 – 6.76 (m, 2H), 4.78 – 4.66 (m, 1H), 4.57 (pd, <i>J</i> = 6.3, 4.3 Hz, 1H), 4.38 (dd, <i>J</i> = 11.4, 6.5 Hz, 1H), 4.18 (dd, <i>J</i> = 11.4, 4.4 Hz, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 2.28 (s, 3H), 1.46 (d, <i>J</i> = 7.2 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.58, 168.94, 162.47, 159.45, 155.52, 146.68, 141.43, 137.51, 130.66, 129.99, 116.20, 109.79, 71.97, 67.68, 56.28, 47.89, 20.77, 20.50, 18.47, 16.81.
363	(Película Delgada) 3380, 2976, 1770, 1676, 1507, 1199, 908, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₉ N ₂ O ₇ , 445.1969; ¹ H encontrada 445.1940	¹ H RMN (300 MHz, CDCl ₃) δ 8.53 (d, <i>J</i> = 7.8 Hz, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.33 – 7.21 (m, 2H), 7.04 – 6.82 (m, 4H), 5.05 (dt, <i>J</i> = 8.1, 4.7 Hz, 1H), 4.78 – 4.66 (m, 1H), 4.45 (qd, <i>J</i> = 6.3, 4.8 Hz, 1H), 3.90 (s, 3H), 2.40 (s, 3H), 1.88 – 1.64 (m, 2H), 1.51 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.41, 168.96, 162.45, 159.46, 157.69, 146.69, 141.50, 137.49, 129.52, 121.16, 116.17, 109.78, 78.10, 74.38, 56.28, 48.18, 23.00, 20.77, 18.61, 15.65, 9.80.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
364	(Película Delgada) 3377, 2977, 1770, 1675, 1507, 1200, 908, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₉ N ₂ O ₇ , 445.1969; encontra 445.1935	¹ H RMN (300 MHz, CDCl ₃) δ 8.55 (d, <i>J</i> = 7.6 Hz, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.19 (m, 2H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.97 – 6.88 (m, 3H), 5.08 (ddd, <i>J</i> = 8.7, 5.5, 4.1 Hz, 1H), 4.80 – 4.67 (m, 1H), 4.54 – 4.43 (m, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 1.87 – 1.57 (m, 2H), 1.43 (d, <i>J</i> = 7.2 Hz, 3H), 1.27 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.67, 168.95, 162.43, 159.44, 157.72, 146.70, 141.51, 137.49, 129.54, 120.99, 115.67, 109.77, 77.60, 73.43, 56.31, 48.07, 22.52, 20.76, 18.66, 15.42, 9.72.
365	(Película Delgada) 3377, 2986, 1770, 1676, 1507, 1197, 1174, 1063, 910, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₇ N ₂ O ₇ , 443.1813; encontra 443.1799	¹ H RMN (300 MHz, CDCl ₃) δ 8.52 (d, <i>J</i> = 7.9 Hz, 1H), 8.31 (d, <i>J</i> = 5.4 Hz, 1H), 7.34 – 7.19 (m, 3H), 7.04 – 6.86 (m, 4H), 5.94 (ddd, <i>J</i> = 17.2, 10.6, 6.6 Hz, 1H), 5.52 – 5.26 (m, 3H), 4.74 (dq, <i>J</i> = 8.0, 7.2 Hz, 1H), 4.52 (qd, <i>J</i> = 6.3, 3.9 Hz, 1H), 3.90 (s, 3H), 2.40 (s, 2H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 171.72, 168.96, 162.46, 159.45, 157.71, 146.68, 141.45, 137.50, 132.04, 129.53, 121.38, 119.54, 116.46, 109.79, 99.99, 75.01, 56.28, 48.01, 20.77, 18.48, 15.51.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
366	(Película Delgada) 3378, 2984, 1769, 1675, 1507, 1197, 1174, 908, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₇ N ₂ O ₇ , 443.1813; encontra 443.1800 ^Δ	¹ H RMN (300 MHz, CDCl ₃) δ 8.53 (d, <i>J</i> = 7.9 Hz, 1H), 8.31 (d, <i>J</i> = 5.4 Hz, 1H), 7.33 – 7.21 (m, 2H), 6.99 (d, <i>J</i> = 5.5 Hz, 1H), 6.97 – 6.89 (m, 3H), 5.89 (ddd, <i>J</i> = 17.1, 10.6, 6.4 Hz, 1H), 5.51 (tt, <i>J</i> = 6.3, 1.2 Hz, 1H), 5.47 – 5.28 (m, 2H), 4.73 (dq, <i>J</i> = 8.1, 7.2 Hz, 1H), 4.51 (p, <i>J</i> = 6.3 Hz, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 1.42 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ CRMN (75 MHz, CDCl ₃) δ 171.92, 168.94, 162.43, 159.44, 157.66, 146.69, 141.44, 137.49, 131.65, 129.55, 121.17, 119.69, 115.82, 109.79, 76.91, 73.89, 56.28, 48.02, 20.76, 18.59, 15.62.
367	(Película Delgada) 3381, 2984, 1744, 1674, 1494, 1200, 1002, 969, 731	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₉ H ₃₃ N ₂ O ₈ , 537.2231; encontra 537.2219 ^Δ	¹ H RMN (300 MHz, CDCl ₃) δ 8.25 (t, <i>J</i> = 6.2 Hz, 2H), 7.32 – 7.14 (m, 7H), 7.00 – 6.91 (m, 2H), 6.91 – 6.83 (m, 2H), 5.72 (d, <i>J</i> = 1.6 Hz, 2H), 5.42 – 5.30 (m, 1H), 4.63 (p, <i>J</i> = 7.2 Hz, 1H), 4.49 (qd, <i>J</i> = 6.3, 4.9 Hz, 1H), 3.90 (s, 3H), 3.14 (dd, <i>J</i> = 14.3, 4.6 Hz, 1H), 3.02 (dd, <i>J</i> = 14.3, 8.8 Hz, 1H), 2.05 (s, 3H), 1.36 (d, <i>J</i> = 6.3 Hz, 3H), 1.25 (d, <i>J</i> = 7.2 Hz, 3H). ¹³ CRMN (75 MHz, CDCl ₃) δ 172.20, 170.31, 162.94, 160.26, 157.47, 145.71, 144.00, 142.42, 136.84, 129.56, 129.47, 128.40, 126.66, 121.26, 116.15, 109.57, 89.56, 77.12, 74.05, 56.21, 48.17, 36.24, 20.87, 18.17, 15.79.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
368	(Película Delgada) 3379, 2972, 1744, 1675, 1496, 1202, 1003, 968, 733	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd: po C ₂₆ H ₃₄ N ₂ O ₈ , 521.2294, encontra 521.2289	¹ H RMN . (300 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.8 Hz, 1H), 8.26 (d, <i>J</i> = 5.3 Hz, 1H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.86 – 6.69 (m, 3H), 5.73 (d, <i>J</i> = 3.2 Hz, 2H), 5.01 (t, <i>J</i> = 5.7 Hz, 1H), 4.86 – 4.73 (m, 1H), 4.47 (h, <i>J</i> = 6.0 Hz, 1H), 3.91 (s, 3H), 2.20 – 2.11 (m, 4H), 2.07 (s, 3H), 1.44 (d, <i>J</i> = 7.2 Hz, 3H), 1.23 (d, <i>J</i> = 6.3 Hz, 3H), 0.97 (dd, <i>J</i> = 6.8, 1.9 Hz, 6H). ¹³ C RMN . (75 MHz, CDCl ₃) δ 172.68, 170.30, 162.95, 160.26, 156.72 (d, <i>J</i> = 237.8 Hz), 151.53 (d, <i>J</i> = 2.2 Hz), 145.71, 143.99, 142.44, 129.64 (d, <i>J</i> = 7.5 Hz), 117.49 (d, <i>J</i> = 22.9 Hz), 112.69 (d, <i>J</i> = 8.5 Hz), 112.33 (d, <i>J</i> = 22.9 Hz), 109.55, 89.55, 80.93, 73.56, 56.17, 48.25, 28.66, 20.87, 19.47, 18.53, 17.25, 16.44, 15.84. ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 124.35 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
369	(Película Delgada) 3380, 2969, 1744, 1675, 1496, 1200, 1002, 969, 732	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₆ H ₃₄ FN ₂ O ₈ , 521.2297; encontra 521.2287	¹ H RMN (300 MHz, CDCl ₃) δ 8.41 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.3 Hz, 1H), 6.96 (s, 1H), 6.87 – 6.68 (m, 3H), 5.75 (d, <i>J</i> = 2.0 Hz, 2H), 5.09 (t, <i>J</i> = 5.8 Hz, 1H), 4.89 – 4.76 (m, 1H), 4.44 (p, <i>J</i> = 6.1 Hz, 1H), 3.91 (s, 3H), 2.17 – 2.10 (m, 4H), 2.07 (s, 3H), 1.58 (d, <i>J</i> = 7.1 Hz, 3H), 1.27 (d, <i>J</i> = 6.3 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.43, 170.32, 163.01, 160.29, 156.87 (d, <i>J</i> = 238.2 Hz), 151.34 (d, <i>J</i> = 2.1 Hz), 145.73, 144.05, 142.39, 129.83 (d, <i>J</i> = 7.6 Hz), 117.57 (d, <i>J</i> = 22.6 Hz), 113.23 (d, <i>J</i> = 8.6 Hz), 112.37 (d, <i>J</i> = 22.7 Hz), 109.59, 89.60, 80.14, 73.20, 56.22, 48.34, 28.80, 20.87, 19.37, 18.70, 17.32, 16.58, 15.15. ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 124.10 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
370	(Película delgada) 3380, 2985, 1745, 1674, 1495, 1199, 1002, 968, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₈ FN ₂ O ₈ , 479.1824; encontra 479.1819	¹ H RMN (300 MHz, CDCl ₃) δ 8.32 (d, <i>J</i> = 7.8 Hz, 1H), 8.26 (d, <i>J</i> = 5.4 Hz, 1H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.88 – 6.77 (m, 3H), 5.73 (d, <i>J</i> = 1.2 Hz, 2H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.52 (pd, <i>J</i> = 6.3, 4.0 Hz, 1H), 4.39 (dd, <i>J</i> = 11.4, 6.5 Hz, 1H), 4.22 (dd, <i>J</i> = 11.4, 4.0 Hz, 1H), 3.91 (s, 3H), 2.18 (d, <i>J</i> = 0.7 Hz, 3H), 2.07 (s, 3H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.65, 170.32, 163.05, 160.30, 157.14 (d, <i>J</i> = 238.7 Hz), 151.83 (d, <i>J</i> = 2.3 Hz), 145.70, 144.07, 142.23, 130.07 (d, <i>J</i> = 7.8 Hz), 117.41 (d, <i>J</i> = 22.7 Hz), 114.87 (d, <i>J</i> = 8.4 Hz), 112.55 (d, <i>J</i> = 22.8 Hz), 109.63, 89.55, 73.04, 67.70, 56.18, 48.09, 20.87 (d, <i>J</i> = 1.9 Hz), 18.25, 16.85, 16.42. ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 123.39 .

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
371	(Película Delgada) 3378, 2971, 1744, 1676, 1508, 1201, 1003, 968, 733	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po <chem>C26H35N2O8</chem> , 503.2388; encontra 503.2379	¹ H RMN (300 MHz, CDCl ₃) δ 8.38 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.12 – 7.00 (m, 2H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 6.86 – 6.72 (m, 2H), 5.74 (d, <i>J</i> = 2.2 Hz, 2H), 4.98 (t, <i>J</i> = 5.7 Hz, 1H), 4.84 – 4.70 (m, 1H), 4.47 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (d, <i>J</i> = 1.1 Hz, 3H), 2.27 (s, 3H), 2.20 – 2.01 (m, 4H), 1.44 (d, <i>J</i> = 7.2 Hz, 3H), 1.25 (d, <i>J</i> = 6.3 Hz, 3H), 0.96 (dd, <i>J</i> = 6.8, 1.0 Hz, 6H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.86, 170.31, 162.97, 160.24, 155.55, 145.74, 143.94, 142.56, 130.20, 129.95, 115.62, 109.53, 89.56, 80.98, 73.31, 56.17, 48.24, 28.56, 20.90, 20.46, 19.50, 18.68, 17.16, 15.93.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
372	(Película Delgada) 3378, 2969, 1747, 1676, 1508, 1202, 1003, 970, 737	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd por <chem>C26H35N2O8</chem> , 503.2388; encontrado 503.2380	¹ H RMN δ (300 MHz, CDCl ₃) 8.41 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.11 – 7.03 (m, 2H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.81 – 6.75 (m, 2H), 5.75 (d, <i>J</i> = 1.7 Hz, 2H), 5.05 (dd, <i>J</i> = 6.4, 5.1 Hz, 1H), 4.86 – 4.74 (m, 1H), 4.45 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 2.27 (s, 3H), 2.14 (ddd, <i>J</i> = 13.3, 6.5, 1.4 Hz, 1H), 2.07 (s, 3H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.1 Hz, 3H), 0.96 (d, <i>J</i> = 7.0 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C RMN δ (75 MHz, CDCl ₃) 172.38, 170.32, 163.03, 160.28, 155.24, 145.74, 144.01, 142.47, 130.39, 129.99, 115.86, 109.58, 89.58, 80.10, 72.75, 56.18, 48.40, 28.66, 20.88, 20.49, 19.40, 18.70, 16.93, 15.64.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
373	(Película Delgada) 3373, 2986, 1751, 1677, 1509, 1235, 1202, 1004, 970, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₉ N ₂ O ₈ , 461.1918; encontra 461.1912	¹ H RMN (300 MHz, CDCl ₃) δ 8.33 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.10 – 7.02 (m, 2H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.87 – 6.79 (m, 2H), 5.74 (d, <i>J</i> = 1.2 Hz, 2H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.57 (qd, <i>J</i> = 6.4, 4.2 Hz, 1H), 4.39 (dd, <i>J</i> = 11.4, 6.6 Hz, 1H), 4.19 (dd, <i>J</i> = 11.4, 4.3 Hz, 1H), 3.91 (s, 3H), 2.28 (s, 3H), 2.07 (s, 3H), 1.48 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.70, 170.32, 163.05, 160.29, 155.52, 145.72, 144.05, 142.34, 130.65, 129.99, 116.19, 109.60, 89.57, 72.00, 67.68, 56.18, 48.11, 20.87, 20.49, 18.34, 16.78.
374	(Película Delgada) 3380, 2977, 1743, 1675, 1494, 1201, 967, 909, 729	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₃₁ N ₂ O ₈ , 475.2075; encontra 475.2057	¹ H RMN (300 MHz, CDCl ₃) δ 8.36 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.33 – 7.22 (m, 2H), 6.98 – 6.85 (m, 4H), 5.75 (d, <i>J</i> = 1.2 Hz, 2H), 5.06 (dt, <i>J</i> = 8.1, 4.7 Hz, 1H), 4.74 (p, <i>J</i> = 7.2 Hz, 1H), 4.47 (qd, <i>J</i> = 6.2, 4.7 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.88 – 1.70 (m, 2H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.54, 170.32, 163.03, 160.27, 157.69, 145.75, 144.00, 142.47, 129.52, 121.16, 116.16, 109.58, 89.58, 78.11, 74.39, 56.22, 48.35, 22.99, 20.88, 18.54, 15.71, 9.81.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
375	(Película Delgada) 3378, 2978, 1742, 1675, 1495, 1201, 1003, 967, 732	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₃₁ N ₂ O ₈ , 475.2075; encontra-se 475.2054	¹ H RMN (300 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.33 – 7.18 (m, 2H), 6.99 – 6.88 (m, 4H), 5.74 (d, <i>J</i> = 0.8 Hz, 2H), 5.09 (ddd, <i>J</i> = 8.7, 5.5, 4.1 Hz, 1H), 4.83 – 4.69 (m, 1H), 4.57 – 4.43 (m, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.87 – 1.62 (m, 2H), 1.45 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 172.79, 170.31, 163.01, 160.26, 157.73, 145.75, 143.99, 142.48, 129.54, 120.98, 115.66, 109.57, 89.56, 77.63, 73.49, 56.18, 48.24, 22.61, 20.90, 18.55, 15.47, 9.73.
376	(Película Delgada) 3381, 2987, 1749, 1676, 1494, 1235, 1201, 1003, 970, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₂₉ N ₂ O ₈ , 473.1918; encontra-se 473.1912	¹ H RMN (300 MHz, CDCl ₃) δ 8.35 (d, <i>J</i> = 7.7 Hz, 1H), 8.26 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.21 (m, 2H), 7.00 – 6.85 (m, 4H), 5.96 (ddd, <i>J</i> = 17.3, 10.6, 6.6 Hz, 1H), 5.74 (d, <i>J</i> = 1.2 Hz, 2H), 5.52 – 5.30 (m, 3H), 4.83 – 4.71 (m, 1H), 4.53 (qd, <i>J</i> = 6.3, 3.8 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.51 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (75 MHz, CDCl ₃) δ 171.83, 170.32, 163.04, 160.27, 157.71, 145.73, 144.02, 142.40, 132.05, 129.52, 121.37, 119.55, 116.44, 109.59, 89.58, 76.63, 74.99, 56.18, 48.20, 20.88, 18.35, 15.55.

Comp No. Comp	IR (cm ⁻¹)	MASS MASA	NMR RMN (¹ H, ¹³ C, ¹⁹ F)
377	(Thin film) (Película Delgada) 1750, 1676, 1496, 1237, 1202, 1003, 971, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₂₉ N ₂ O ₈ , p.o. 473.1918; found 473.1919 encontra-se	¹ H NMR (300 MHz, CDCl ₃) δ 8.36 (d, <i>J</i> = 7.8 Hz, 1H), 8.26 (d, <i>J</i> = 5.4 Hz, 1H), 7.36 – 7.18 (m, 2H), 7.01 – 6.87 (m, 4H), 5.90 (ddd, <i>J</i> = 17.1, 10.6, 6.4 Hz, 1H), 5.73 (s, 2H), 5.52 (tt, <i>J</i> = 6.3, 1.2 Hz, RMN), 5.43 (dt, <i>J</i> = 17.3, 1.3 Hz, 1H), 5.34 (dt, <i>J</i> = 10.6, 1.3 Hz, 1H), 4.76 (p, <i>J</i> = 7.3 Hz, 1H), 4.52 (p, <i>J</i> = 6.3 Hz, 1H), 3.91 (s, 3H), 2.06 (s, 3H), 1.44 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (75 MHz, CDCl ₃) δ 172.32, 162.99, 160.26, 157.67, 145.72, 144.02, 142.39, 131.69, 129.55, 121.17, 119.71, 115.81, 109.58, 89.55, 76.97, 73.96, 56.21, 48.20, 20.89, 18.45, 15.66.
378	(Thin film) (Película Delgada) 1770, 1677, 1495, 1197, 1041, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₈ H ₃₁ N ₂ O ₈ , p.o. 523.2075; found, 523.2075 encontra-se	¹ H NMR (500 MHz, CDCl ₃) δ 8.52 (s, 1H), 8.31 (d, <i>J</i> = 5.4 Hz, 1H), 7.30 – 7.22 (m, 4H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.98 – 6.84 (m, 6H), 5.41 (td, <i>J</i> = 6.0, 3.8 Hz, 1H), 5.34 (dd, <i>J</i> = 10.4, 3.8 Hz, 1H), 5.29 (dd, <i>J</i> = 10.5, 6.2 Hz, 1H), 3.91 (s, 3H), 2.38 (s, 3H), 1.48 (d, <i>J</i> = 7.2 Hz, 3H), 1.39 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 172.26, 168.93, 162.50, 159.45, 158.42, 157.36, 146.66, 141.43, 137.52, 129.58, 129.47, 121.48, 121.18, 116.26, 114.64, 109.78, 74.99, 72.58, 65.92, 56.29, 48.07, 20.76, 18.47, 16.12.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
379	(Película Delgada) 3381, 2939, 1770, 1677, 1508, 1198, 755	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₉ N ₂ O ₈ , 461.1918; encontra 461.1882 [~]	¹ H RMN (500 MHz, CDCl ₃) δ 8.53 (s, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.23 (m, 2H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.95 (tt, <i>J</i> = 7.5, 1.1 Hz, 1H), 6.93 – 6.88 (m, 2H), 5.22 (td, <i>J</i> = 5.7, 4.1 Hz, 1H), 4.74 (p, <i>J</i> = 7.3 Hz, 1H), 4.61 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 3.68 – 3.60 (m, 2H), 3.32 (s, 3H), 2.39 (s, 3H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.33 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.23, 168.93, 162.45, 159.45, 157.49, 146.67, 141.49, 137.51, 129.53, 121.31, 116.21, 109.76, 75.22, 72.43, 70.65, 59.16, 56.29, 48.07, 20.76, 18.53, 15.93.
380	(Película Delgada) 3381, 2940, 1770, 1677, 1507, 1198, 1174, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₉ H ₃₃ N ₂ O ₈ , 537.2231; encontra 537.2221 [~]	¹ H RMN (500 MHz, CDCl ₃) δ 8.52 (s, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.33 – 7.21 (m, 7H), 6.99 (d, <i>J</i> = 5.5 Hz, 1H), 6.95 (tt, <i>J</i> = 7.5, 1.1 Hz, 1H), 6.89 (dt, <i>J</i> = 7.8, 1.0 Hz, 2H), 5.26 (dt, <i>J</i> = 5.9, 4.8 Hz, 1H), 4.79 – 4.70 (m, 1H), 4.66 (p, <i>J</i> = 6.3 Hz, 1H), 4.54 – 4.44 (m, 2H), 3.91 (s, 3H), 3.74 (d, <i>J</i> = 4.9 Hz, 2H), 2.39 (s, 3H), 1.50 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.20, 168.93, 162.45, 159.45, 157.50, 146.67, 141.48, 137.84, 137.51, 129.53, 128.35, 127.64, 127.57, 121.28, 116.18, 109.76, 75.37, 73.24, 72.33, 68.14, 56.28, 48.06, 20.76, 18.55, 15.96.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
381	(Película Delgada) 3379, 2942, 1768, 1677, 1507, 1194, 1160, 1041, 909, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₅ F ₂ N ₂ O ₇ , 467.1624; encontra 467.1613 ^{da}	¹ H RMN (500 MHz, CDCl ₃) δ 8.49 (d, <i>J</i> = 7.5 Hz, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.29 (dd, <i>J</i> = 8.7, 7.3 Hz, 2H), 7.03 – 6.96 (m, 2H), 6.93 – 6.89 (m, 2H), 6.10 (td, <i>J</i> = 54.4, 2.9 Hz, 1H), 5.32 (dtd, <i>J</i> = 17.4, 6.3, 2.9 Hz, 1H), 4.78 (p, <i>J</i> = 7.3 Hz, 1H), 4.65 (p, <i>J</i> = 6.4 Hz, 1H), 3.91 (s, 3H), 2.38 (s, 3H), 1.58 – 1.52 (m, 3H), 1.37 (dd, <i>J</i> = 6.3, 1.0 Hz, 3H). ¹⁹ F RMN (471 MHz, CDCl ₃) δ - 129.77 (ddd, <i>J</i> = 292.4, 54.1, 6.2 Hz), -132.75 (dd, <i>J</i> = 293.4, 54.6 Hz).
382	(Película Delgada) 3381, 2937, 1771, 1678, 1507, 1198, 1174, 1043, 755	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₃ N ₂ O ₈ , 489.2231; encontra 489.2215 ^{da}	¹ H RMN (500 MHz, CDCl ₃) δ 8.54 (s, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.30 – 7.23 (m, 3H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.94 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.92 – 6.88 (m, 2H), 5.22 (td, <i>J</i> = 5.7, 4.2 Hz, 1H), 4.74 (p, <i>J</i> = 7.3 Hz, 1H), 4.63 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 3.67 (h, <i>J</i> = 6.2 Hz, 2H), 3.40 (dt, <i>J</i> = 9.3, 6.6 Hz, 1H), 3.33 (dt, <i>J</i> = 9.2, 6.6 Hz, 1H), 2.39 (s, 3H), 1.53 – 1.50 (m, 4H), 1.33 (d, <i>J</i> = 6.3 Hz, 3H), 0.86 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.21, 168.93, 162.43, 159.45, 157.56, 146.67, 141.52, 137.51, 129.51, 121.25, 116.20, 109.75, 75.37, 73.09, 72.51, 68.60, 56.28, 48.05, 22.82, 20.76, 18.58, 15.89, 10.50.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
383	(Película Delgada) 3381, 2983, 1752, 1677, 1495, 1233, 1201, 1043, 1004, 971, 755	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₉ H ₃₃ N ₂ O ₉ , 553.2181; encontra 553.2171	¹ H RMN (500 MHz, CDCl ₃) δ 8.34 (d, <i>J</i> = 7.6 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.29 – 7.23 (m, 3H), 6.99 – 6.84 (m, 8H), 5.78 – 5.70 (m, 2H), 5.41 (td, <i>J</i> = 6.1, 3.6 Hz, 1H), 4.79 – 4.68 (m, 2H), 4.31 (dd, <i>J</i> = 10.5, 3.7 Hz, 1H), 4.26 (dd, <i>J</i> = 10.5, 6.3 Hz, 1H), 3.91 (s, 3H), 2.06 (s, 3H), 1.50 (d, <i>J</i> = 7.2 Hz, 3H), 1.40 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ CRMN (126 MHz, CDCl ₃) δ 172.39, 170.30, 163.08, 160.26, 158.43, 157.36, 145.72, 144.04, 142.37, 129.59, 129.48, 121.49, 121.18, 116.26, 114.63, 109.58, 89.55, 75.04, 72.60, 65.97, 56.19, 48.27, 20.88, 18.34, 16.21.
384	(Película Delgada) 2984, 1751, 1676, 1496, 1202, 1042, 1004, 970, 755	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₃₁ N ₂ O ₉ , 491.2024; encontra 491.2012	¹ H RMN (500 MHz, CDCl ₃) δ 8.35 (d, <i>J</i> = 7.6 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.33 – 7.22 (m, 2H), 6.98 – 6.93 (m, 2H), 6.93 – 6.89 (m, 2H), 5.82 – 5.70 (m, 2H), 5.22 (td, <i>J</i> = 5.7, 4.1 Hz, 1H), 4.76 (p, <i>J</i> = 7.3 Hz, 1H), 4.62 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 3.70 – 3.59 (m, 2H), 3.33 (s, 3H), 2.07 (s, 3H), 1.54 (d, <i>J</i> = 7.2 Hz, 3H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ CRMN (126 MHz, CDCl ₃) δ 172.36, 170.31, 163.04, 160.27, 157.49, 145.72, 144.04, 142.45, 129.54, 121.32, 116.21, 109.57, 89.59, 75.25, 72.44, 70.67, 59.16, 56.19, 48.26, 20.88, 18.41, 16.01.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
385	(Película Delgada) 2983, 1750, 1676, 1495, 1201, 1042, 1003, 970, 753	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po <chem>C30H35N2O9</chem> , 567.2337; encontra 567.2333	¹ H RMN (500 MHz, CDCl ₃) δ 8.35 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.22 (m, 7H), 6.98 – 6.92 (m, 2H), 6.92 – 6.87 (m, 2H), 5.80 – 5.69 (m, 2H), 5.27 (dt, <i>J</i> = 5.8, 4.7 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 4.67 (p, <i>J</i> = 6.2 Hz, 1H), 4.55 – 4.44 (m, 2H), 3.91 (s, 3H), 3.75 (d, <i>J</i> = 4.8 Hz, 2H), 2.06 (s, 3H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.33 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ CRMN . (126 MHz, CDCl ₃) δ 172.33, 170.30, 163.03, 160.27, 157.50, 145.72, 144.03, 142.44, 137.83, 129.53, 128.35, 127.64, 127.58, 121.29, 116.17, 109.56, 89.57, 75.39, 73.24, 72.35, 68.16, 56.18, 48.25, 20.88, 18.42, 16.03.
386	(Película Delgada) 3380, 2988, 1756, 1677, 1496, 1201, 1155, 1041, 1004, 970, 756	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po <chem>C23H27F2N2O8</chem> , 497.1730; encontra 497.1724	¹ H RMN (500 MHz, CDCl ₃) δ 8.31 (d, <i>J</i> = 7.6 Hz, 1H), 8.29 (d, <i>J</i> = 5.3 Hz, 1H), 7.34 – 7.27 (m, 2H), 7.00 (tt, <i>J</i> = 7.5, 1.1 Hz, 1H), 6.96 (d, <i>J</i> = 5.4 Hz, 1H), 6.93 – 6.89 (m, 2H), 6.25 – 5.97 (m, 1H), 5.79 – 5.71 (m, 2H), 5.32 (dtd, <i>J</i> = 17.6, 6.4, 2.9 Hz, 1H), 4.79 (p, <i>J</i> = 7.3 Hz, 1H), 4.66 (p, <i>J</i> = 6.4 Hz, 1H), 3.92 (s, 3H), 2.07 (s, 3H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.39 (dd, <i>J</i> = 6.3, 1.1 Hz, 3H). ¹⁹ F RMN (471 MHz, CDCl ₃) δ - 129.80 (ddd, <i>J</i> = 292.2, 53.9, 6.1 Hz), -132.93 (ddd, <i>J</i> = 292.3, 54.9, 17.7 Hz).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
387	(Película Delgada) 2937, 1750, 1676, 1495, 1201, 1042, 1003, 969, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₆ H ₃₅ N ₂ O ₉ , 519.2337; encontra-se 519.2327	¹ H RMN (500 MHz, CDCl ₃) δ 8.36 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.42 – 7.11 (m, 2H), 6.97 – 6.89 (m, 4H), 5.78 – 5.72 (m, 2H), 5.22 (td, <i>J</i> = 5.7, 4.1 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 4.64 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 3.72 – 3.64 (m, 2H), 3.40 (dt, <i>J</i> = 9.2, 6.6 Hz, 1H), 3.33 (dt, <i>J</i> = 9.2, 6.6 Hz, 1H), 2.07 (s, 3H), 1.53 (dd, <i>J</i> = 7.3, 1.4 Hz, 5H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H), 0.86 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.34, 170.30, 163.02, 160.26, 157.56, 145.72, 144.02, 142.48, 129.51, 121.26, 116.20, 109.55, 89.58, 75.41, 73.09, 72.52, 68.63, 56.18, 48.24, 22.81, 20.88, 18.46, 15.97, 10.50.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
388	(Película Delgada) 2955, 1752, 1677, 1495, 1201, 1043, 1004, 971, 830, 737	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₈ H ₃₉ N ₂ O ₉ , 547.2650; encontra 547.2643	¹ H RMN (500 MHz, CDCl ₃) δ 8.35 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.26 (s, 2H), 6.98 – 6.87 (m, 4H), 5.80 – 5.71 (m, 2H), 5.21 (td, <i>J</i> = 5.6, 4.2 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 4.63 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 3.72 – 3.64 (m, 2H), 3.46 (dt, <i>J</i> = 9.4, 6.7 Hz, 1H), 3.39 (dt, <i>J</i> = 9.4, 6.7 Hz, 1H), 2.07 (s, 3H), 1.63 (dp, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.40 (q, <i>J</i> = 6.8 Hz, 2H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H), 0.85 (t, <i>J</i> = 6.7 Hz, 6H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.34, 170.30, 163.02, 160.27, 157.56, 145.72, 144.02, 142.49, 129.51, 121.25, 116.17, 109.55, 89.58, 75.42, 72.47, 69.89, 68.68, 56.18, 48.23, 38.40, 24.96, 22.60, 22.56, 20.88, 18.44, 15.96.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
389	(Película Delgada) 3377, 2967, 1740, 1675, 1579, 1504, 1454, 1310, 1237, 1202, 1180, 1062 1041, 1003, 968, 830, 738, 699	ESIMS <i>m/z</i> 503.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.42 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 (d, <i>J</i> = 4.4 Hz, 4H), 7.26 (s, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.76 – 5.71 (m, 2H), 4.97 (t, <i>J</i> = 5.8 Hz, 1H), 4.78 (p, <i>J</i> = 7.2 Hz, 1H), 4.56 (d, <i>J</i> = 11.7 Hz, 1H), 4.51 (d, <i>J</i> = 11.7 Hz, 1H), 3.91 (s, 3H), 3.65 (p, <i>J</i> = 6.2 Hz, 1H), 2.13 – 2.03 (m, 4H), 1.55 (d, <i>J</i> = 7.2 Hz, 3H), 1.19 (d, <i>J</i> = 6.2 Hz, 3H), 0.90 (d, <i>J</i> = 6.8 Hz, 6H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.52 , 170.30 , 162.95 , 160.28 , 145.69 , 144.03 , 142.53 , 138.38 , 128.33 , 127.72 , 127.54 , 109.52 , 89.63 , 79.98 , 73.67 , 70.64 , 56.18 , 48.40 , 28.53 , 20.89 , 19.44 , 18.76 , 17.24 , 15.35 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
390	(Película Delgada) 3379, 2958, 2872, 1741, 1676, 1579, 1504, 1463, 1339, 1201, 1179, 1100, 1042, 1003, 968, 829, 737	ESIMS <i>m/z</i> 483.2 ([M+H] ⁺)	¹ H ^{RMN} : (500 MHz, CDCl ₃) δ 8.42 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.80 – 5.72 (m, 2H), 4.87 (dd, <i>J</i> = 6.3, 5.2 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.55 – 3.46 (m, 2H), 3.40 (dt, <i>J</i> = 9.0, 6.8 Hz, 1H), 2.11 – 2.02 (m, 4H), 1.71 – 1.63 (m, 1H), 1.55 (d, <i>J</i> = 7.2 Hz, 3H), 1.46 – 1.34 (m, 2H), 1.12 (d, <i>J</i> = 6.2 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 7.0 Hz, 3H), 0.88 (d, <i>J</i> = 6.7 Hz, 3H), 0.87 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C ^{RMN} : (126 MHz, CDCl ₃) δ 172.45 , 170.30 , 162.94 , 160.28 , 145.69 , 144.02 , 142.55 , 109.51 , 89.63 , 80.23 , 74.27 , 67.27 , 56.17 , 48.40 , 38.88 , 28.49 , 24.93 , 22.70 , 22.49 , 20.90 , 19.48 , 18.79 , 17.07 , 15.53 .

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
391	(Película Delgada) 3380, 2960, 2934, 2873, 1740, 1675, 1579, 1503, 1457, 1309, 1236, 1200, 1154, 1099, 1041, 1002, 967, 911, 829, 731	ESIMS <i>m/z</i> 483.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.42 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.79 – 5.69 (m, 2H), 4.88 (dd, <i>J</i> = 6.2, 5.3 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.54 – 3.43 (m, 2H), 3.38 (dt, <i>J</i> = 8.9, 6.7 Hz, 1H), 2.13 – 2.01 (m, 4H), 1.55 (d, <i>J</i> = 7.2 Hz, 3H), 1.54 – 1.47 (m, 2H), 1.34 – 1.23 (m, 4H), 1.12 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H), 0.91 (d, <i>J</i> = 7.0 Hz, 3H), 0.91 – 0.84 (m, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.45 , 170.30 , 162.94 , 160.28 , 145.69 , 144.02 , 142.55 , 109.51 , 89.64 , 80.18 , 74.26 , 69.04 , 56.17 , 48.40 , 29.72 , 28.50 , 28.34 , 22.50 , 20.90 , 19.47 , 18.79 , 17.10 , 15.56 , 14.03 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
392	(Película Delgada) 3378, 2968, 2876, 1741, 1676, 1579, 1504, 1460, 1310, 1236, 1202, 1180, 1062, 1041, 1004, 969, 930	ESIMS <i>m/z</i> 467.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.42 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.79 – 5.70 (m, 2H), 4.89 (dd, <i>J</i> = 6.2, 5.4 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.56 (p, <i>J</i> = 6.2 Hz, 1H), 3.33 (dd, <i>J</i> = 9.9, 6.7 Hz, 1H), 3.26 (dd, <i>J</i> = 9.9, 6.9 Hz, 1H), 2.14 – 2.03 (m, 4H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.13 (d, <i>J</i> = 6.3 Hz, 3H), 1.06 – 0.96 (m, 1H), 0.95 – 0.87 (m, 6H), 0.52 – 0.46 (m, 2H), 0.22 – 0.14 (m, 2H). ¹³ CRMN (126 MHz, CDCl ₃) δ 172.47, 170.30, 162.95, 160.28, 145.69, 144.02, 142.55, 109.51, 89.64, 79.97, 73.86, 73.55, 56.18, 48.40, 28.51, 20.90, 19.45, 18.78, 17.15, 15.64, 10.83, 2.98, 2.95.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
393	(Película Delgada) 3378, 2961, 2874, 1741, 1675, 1579, 1505, 1458, 1310, 1236, 1202, 1180, 1100, 1042, 1003, 969, 830, 738	ESIMS <i>m/z</i> 469.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.42 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.80 – 5.69 (m, 2H), 4.88 (dd, <i>J</i> = 6.2, 5.3 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.53 – 3.44 (m, 2H), 3.38 (dt, <i>J</i> = 9.0, 6.6 Hz, 1H), 2.12 – 2.02 (m, 4H), 1.55 (d, <i>J</i> = 7.1 Hz, 3H), 1.54 – 1.42 (m, 2H), 1.40 – 1.28 (m, 2H), 1.12 (d, <i>J</i> = 6.2 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H), 0.91 (d, <i>J</i> = 6.9 Hz, 3H), 0.89 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.45 , 170.30 , 162.94 , 160.28 , 145.69 , 144.02 , 142.56 , 109.51 , 89.63 , 80.20 , 74.26 , 68.72 , 56.17 , 48.40 , 32.14 , 28.50 , 20.90 , 19.47 , 19.36 , 18.79 , 17.09 , 15.55 , 13.90 .

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C ¹⁹ F)
394	(Película Delgada) 3377, 2967, 1740, 1674, 1579, 1504, 1459, 1309, 1200, 1179, 1126, 1042, 1002, 967, 812, 828, 731	ESIMS <i>m/z</i> 481.2 ([M+H] ⁺)	—RMN— ¹H NMR (500 MHz, CDCl₃) δ 8.42 (d, <i>J</i> = 7.8 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.78 – 5.70 (m, 2H), 4.89 (t, <i>J</i> = 5.8 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.60 – 3RMN, 3H), 2.12 – 2.02 (m, 4H), 1.55 (d, <i>J</i> = 7.2 Hz, 3H), 1.49 – 1.32 (m, 2H), 1.13 (d, <i>J</i> = 6.2 Hz, 3H), 0.95 – 0.85 (m, 6H), 0.78 – 0.66 (m, 1H), 0.43 – 0.37 (m_{RMN}, 0.05 – 0.00 (m, 2H). ¹³C NMR (126 MHz, CDCl₃) δ 172.46, 170.30, 162.94, 160.28, 145.69, 144.02, 142.55, 109.51, 89.63, 80.19, 74.39, 69.05, 56.18, 48.39, 35.15, 28.53, 20.90, 19.44, 18.79, 17.16, 15.53, 7.95, 4.24, 4.10.
395	(Película Delgada) 3378, 2967, 2249, 1770, 1737, 1675, 1590, 1571, 1506, 1453, 1435, 1339, 1309, 1198, 1174, 1062, 1040, 907, 730	ESIMS <i>m/z</i> 473.1 ([M+H] ⁺)	¹H NMR (500 MHz, CDCl₃) δ 8.58 (s, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.35 – 7.29 (m, 4H), 7.26 (s, 1H), 7RMN (d, <i>J</i> = 5.4 Hz, 1H), 4.96 (t, <i>J</i> = 5.7 Hz, 1H), 4.75 (p, <i>J</i> = 7.2 Hz, 1H), 4.55 (d, <i>J</i> = 11.8 Hz, 1H), 4.51 (d, <i>J</i> = 11.7 Hz, 1H), 3.91 (s, 3H), 3.65 (p, <i>J</i> = 6.1 Hz, 1H), 2.39 (s, 3H), 2.11 – 2.03 (m, 1H), 1.53 (d, <i>J</i> = 7.1 Hz, 3H), 1.17 (d, <i>J</i> = 6.3 Hz, 3H), 0.89 (d, <i>J</i> = 6.8 Hz, 6H). ¹³C NMR (126 MHz, CDCl₃) δ 172.38, 168.93, 162.38, 159.45, 146.66, 141.59, 138.39, 137.49, 128.33, 127.53, 109.71, 79.97, 73.66, 70.62, 56.28, 48.25, 28.53, 20.76, 19.42, 18.83, 17.30, 15.29.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
396	(Película Delgada) 3379, 2960, 2934, 2873, 1772, 1739, 1677, 1571, 1506, 1454, 1339, 1310, 1198, 1175, 1099, 1062, 907, 825, 734	ESIMS <i>m/z</i> 453.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.58 (s, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 4.87 (t, <i>J</i> = 5.8 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.53 – 3.34 (m, 3H), 2.40 (s, 3H), 2.09 – 2.01 (m, 1H), 1.53 (d, <i>J</i> = 7.1 Hz, 3H), 1.52 – 1.47 (m, 2H), 1.34 – 1.24 (m, 4H), 1.10 (d, <i>J</i> = 6.3 Hz, 3H), 0.91 (d, <i>J</i> = 6.8 Hz, 3H), 0.90 (d, <i>J</i> = 6.9 Hz, 3H), 0.89 – 0.85 (m, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.31, 168.93, 162.37, 159.44, 146.66, 141.61, 137.48, 109.70, 80.16, 74.26, 69.02, 56.27, 48.26, 29.72, 28.51, 28.34, 22.50, 20.76, 19.43, 18.87, 17.16, 15.48, 14.03.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, o ¹⁹ F)
397	(Película Delgada) 3379, 2967, 2876, 1772, 1739, 1677, 1591, 1571, 1509, 1455, 1311, 1201, 1176, 1096, 1063, 1041, 909, 737	ESIMS <i>m/z</i> 437.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.58 (s, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 4.89 (t, <i>J</i> = 5.8 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.55 (p, <i>J</i> = 6.2 Hz, 1H), 3.32 (dd, <i>J</i> = 10.0, 6.7 Hz, 1H), 3.26 (dd, <i>J</i> = 9.9, 6.9 Hz, 1H), 2.40 (s, 3H), 2.11 – 2.02 (m, 1H), 1.54 (d, <i>J</i> = 7.1 Hz, 3H), 1.12 (d, <i>J</i> = 6.3 Hz, 3H), 1.06 – 0.96 (m, 1H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 7.0 Hz, 3H), 0.52 – 0.46 (m, 2H), 0.21 – 0.13 (m, 2H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.33 , 168.93 , 162.37 , 159.44 , 146.66 , 141.61 , 137.48 , 109.71 , 79.94 , 73.86 , 73.54 , 56.28 , 48.25 , 28.52 , 20.76 , 19.41 , 18.86 , 17.21 , 15.57 , 10.83 , 2.97 , 2.95 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
398	(Película Delgada) 3381, 2961, 2935, 2874, 1771, 1738, 1676, 1590, 1571, 1506, 1480, 1310, 1198, 1174, 1098, 1061, 907, 825, 733	ESIMS <i>m/z</i> 439.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.58 (s, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.00 (d, <i>J</i> = 5.4 Hz, 1H), 4.87 (t, <i>J</i> = 5.8 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.53 – 3.44 (m, 2H), 3.38 (dt, <i>J</i> = 9.0, 6.6 Hz, 1H), 2.40 (s, 3H), 2.10 – 2.00 (m, 1H), 1.53 (d, <i>J</i> = 7.1 Hz, 3H), 1.51 – 1.46 (m, 2H), 1.39 – 1.29 (m, 2H), 1.10 (d, <i>J</i> = 6.3 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H), 0.90 (d, <i>J</i> = 7.0 Hz, 3H), 0.89 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.32, 168.93, 162.37, 159.44, 146.66, 141.60, 137.48, 109.70, 80.18, 74.26, 68.71, 56.27, 48.25, 32.14, 28.51, 20.76, 19.43, 19.36, 18.87, 17.16, 15.47, 13.90.
399	(Película Delgada) 3378, 2967, 2936, 1772, 1739, 1678, 1590, 1508, 1455, 1311, 1201, 1176, 1100, 1063, 910, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₃₅ N ₂ O ₇ , 451.2439; encontra 451.2427	¹ H RMN (500 MHz, CDCl ₃) δ 8.58 (s, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 6.99 (d, <i>J</i> = 5.4 Hz, 1H), 4.87 (dd, <i>J</i> = 6.2, 5.3 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.49 (p, <i>J</i> = 6.3 Hz, 1H), 3.44 (dd, <i>J</i> = 9.1, 6.5 Hz, 1H), 3.36 (dd, <i>J</i> = 9.1, 6.9 Hz, 1H), 2.54 – 2.44 (m, 1H), 2.40 (s, 3H), 2.11 – 1.96 (m, 2H), 1.93 – 1.78 (m, 3H), 1.75 – 1.65 (m, 2H), 1.53 (d, <i>J</i> = 7.1 Hz, 3H), 1.10 (d, <i>J</i> = 6.2 Hz, 3H), 0.91 (d, <i>J</i> = 6.8 Hz, 3H), 0.90 (d, <i>J</i> = 7.0 Hz, 3H).

* Comp.No. - Número de Compuesto

Tabla 3. Escala de Evaluación de Pruebas Biológicas

Tabla de Evaluación para Patógenos de Hongos	
% de Control	Evaluación
>80	A
≤80	B
No Probado	C
Sin Actividad Observada en el Ensayo Reportado	D

Tabla 4. Actividad Biológica - Control de Enfermedad PUCCRT y SEPTTR en Aplicaciones de Alto Volumen (100 ppm) *

	PUCCRT*		SEPTTR*	
	1DP*	3DC*	1DP*	3DC*
122	D	B	D	D
123	A	B	B	B
124	D	B	B	B
125	B	D	D	B
126	B	B	D	B
127	B	D	D	D
128	B	D	D	D
129	D	D	D	D
130	A	A	D	D
131	A	B	B	B
132	B	D	D	B
133	A	B	D	B
134	A	A	B	A
135	A	A	D	B
136	A	A	B	A
137	B	D	D	B
138	A	A	D	B
139	A	D	D	B
140	B	D	D	B
141	D	D	D	B
142	A	A	B	A

	PUCCRT*		SEPTTR*	
	1DP*	3DC*	1DP*	3DC*
143	A	B	D	B
144	A	A	B	A
145	C	C	C	C
146	A	A	A	A
147	D	B	D	D
148	A	B	D	B
149	B	A	D	B
153	C	C	C	C
154	A	A	B	B
155	A	A	D	A
156	C	C	C	C
157	A	A	B	B
158	D	B	D	B
159	D	B	D	B
160	B	B	D	B
161	B	B	D	A
162	B	A	D	A
163	B	A	D	A
164	A	A	D	A
165	B	A	D	B
166	B	A	D	B
167	B	A	D	D
168	C	C	C	C
169	C	C	C	C
170	C	C	C	C
171	A	A	B	B
172	B	B	D	B
173	C	C	C	C
174	B	B	D	A
175	A	A	D	B
176	A	A	B	B
177	A	A	D	A
178	C	C	C	C
179	B	B	D	B
180	A	A	B	A
181	A	A	B	A
182	A	B	D	B
183	A	A	D	A
184	B	D	D	B

	PUCCRT*		SEPTTR*	
	1DP*	3DC*	1DP*	3DC*
333	A	A	A	B
334	B	D	B	D
335	C	C	C	C
336	B	D	B	D
337	C	C	C	C
338	A	B	B	B
339	B	D	D	D
340	A	A	B	A
341	B	A	B	B
342	A	B	B	B
343	B	D	B	B
344	A	A	B	B
345	A	A	B	B
346	A	A	B	B
347	B	D	B	B
348	A	A	D	B
349	A	A	D	A
350	A	A	B	B
351	A	A	D	A
352	A	A	B	A
353	A	A	B	B
354	C	C	C	C
355	A	A	B	B
356	A	A	D	A

*Comp. No. - Número de Compuesto

*PUCCRT - Roya del Trigo Café (*Puccinia triticens*)

*SEPTTR - Mancha de la hoja del trigo (*Zymoseptoria tritici*)

*1DP - Protección de 1 día

*3DC - Curación de 3 días

*ppm - partes por millón

**Tabla 5. Actividad Biológica - Control de Enfermedad
PUCCRT y SEPTTR en aplicaciones de Bajo Volumen**

(121.5 g/H) *

	PUCCRT*		SEPTTR*	
	1DP*	3DC*	1DP*	3DC*
185	B	D	B	B

	PUCCRT*		SEPTTR*	
	1DP*	3DC*	1DP*	3DC*
186	A	A	B	A
187	B	D	D	B
188	D	D	D	D
189	D	B	D	B
190	B	A	D	B
191	D	D	D	B
192	D	D	D	B
193	B	A	B	B
194	D	D	D	B
195	A	A	D	B
196	D	A	D	D
197	B	A	D	D
198	D	B	D	B
199	D	B	D	B
200	B	D	D	B
201	D	B	B	B
202	B	B	B	B
203	D	D	D	B
204	A	A	B	B
205	A	A	B	A
206	A	A	D	B
207	A	A	B	A
208	B	D	B	B
209	A	A	B	A
210	A	A	B	B
211	B	D	D	B
212	B	D	B	B
213	A	A	B	A
214	A	A	B	A
215	A	A	B	A
216	A	B	B	B
217	B	D	B	B
218	D	D	D	B
219	A	A	B	D
220	B	B	D	D
221	A	A	A	A
222	A	A	A	A
223	B	B	B	D
224	A	A	B	B

	PUCCRT*		SEPTTR*	
	1DP*	3DC*	1DP*	3DC*
225	B	D	B	B
226	A	A	A	B
227	A	B	B	B
228	A	A	A	A
229	D	B	D	D
230	B	B	D	D
231	A	B	B	D
233	B	B	D	D
234	A	B	D	D
236	A	B	B	B
237	A	A	B	A
238	A	A	B	A
239	A	D	B	B
240	A	B	B	D
241	A	B	B	D
242	A	A	B	B
243	B	B	B	B
244	B	B	B	B
245	B	D	B	B
246	A	A	B	A
247	A	A	D	D
248	A	A	B	B
249	A	B	B	B
250	A	A	B	A
251	A	B	B	B
252	A	A	B	B
253	B	A	D	B
254	B	B	B	D
255	A	A	B	B
256	B	B	D	D
257	A	A	D	B
258	B	A	D	D
259	A	A	D	D
260	A	A	D	B
261	A	A	D	B
262	B	A	D	D
263	A	A	D	D
264	A	A	B	D
265	A	A	B	A

	PUCCRT*		SEPTTR*	
	1DP*	3DC*	1DP*	3DC*
266	A	A	B	D
267	A	A	D	D
268	A	B	D	B
269	A	A	A	A
270	A	A	B	A
271	B	B	D	D
272	A	A	B	A
273	D	B	D	B
274	A	A	D	B
275	A	A	B	A
276	A	A	A	A
277	A	A	D	D
278	B	B	D	B
279	D	B	D	B
280	B	B	B	B
281	A	A	B	A
282	A	A	A	A
283	D	D	D	D
357	A	B	A	A
358	A	B	B	D
359	D	D	D	D
360	D	B	B	B
361	A	A	A	B
362	D	D	B	D
363	A	A	B	A
364	B	B	B	D
365	D	D	B	D
366	D	D	D	B
367	A	A	A	B
368	B	B	D	D
369	A	A	B	B
370	D	D	B	D
371	A	A	D	B
372	A	A	A	A
373	D	D	D	B
374	A	A	A	B
375	A	A	B	D
376	B	B	B	D
377	D	B	D	B

	PUCCRT*		SEPTTR*	
	1DP*	3DC*	1DP*	3DC*
378	A	A	B	B
379	B	D	D	D
380	A	A	B	B
381	D	D	D	D
382	A	A	B	B
383	A	A	B	B
384	A	A	D	B
385	A	A	B	B
386	B	D	D	B
387	A	A	D	B
388	A	A	B	A
389	A	A	B	D
390	A	A	D	B
391	A	A	B	D
392	A	A	B	D
393	A	A	B	D
394	A	A	B	A
395	A	A	B	D
396	A	A	B	D
397	A	A	B	D
398	A	A	B	D

*Comp. No. - Número de Compuesto

*PUCCRT - Roya del Trigo Café (*Puccinia triticina*)

*SEPTTR - Mancha de la hoja del trigo (*Zymoseptoria tritici*)

*1DP - Protección de 1 día

*3DC - Curación de 3 días

*g/H - Gramos por hectarea

*ppm - partes por millón

Tabla 6. Actividad Biológica - Control de enfermedad PHAKPA en Aplicaciones de alto Volumen (25 ppm) *

Cmpd. No.	PHAKPA	
	1DP*	3DC*
186	A	B
204	A	B
205	A	A
206	A	B

Cmpd. No.	PHAKPA	
	1DP*	3DC*
207	A	A
208	B	D
209	A	B
210	A	B
211	B	D
213	A	A
214	A	A
215	A	B
216	B	D
217	B	B
218	B	D
219	A	A
220	B	D
221	A	B
222	A	A
223	D	D
224	A	A
225	A	D
226	A	A
228	A	A
229	D	D
230	B	D
231	B	B
233	B	B
234	A	B
236	B	B
237	A	A
238	A	B
239	B	D
240	A	B
241	B	D
242	A	A
243	B	B
244	A	B
245	B	B
246	A	A
247	A	B

Cmpd. No.	PHAKPA	
	1DP*	3DC*
248	A	B
249	A	B
250	A	B
251	A	B
252	A	B
253	A	A
254	A	A
255	A	B
256	A	B
257	A	B
259	A	B
260	A	A
261	A	B
262	B	B
263	B	B
264	A	B
265	B	B
266	A	A
267	A	B
268	A	B
269	A	A
270	A	A
271	B	B
272	A	B
273	B	B
274	A	A
275	B	B
276	A	A
277	A	A
278	B	B
279	B	B
280	B	B
281	A	A
282	A	B
283	D	B
357	A	B
358	A	D

Cmpd. No.	PHAKPA	
	1DP*	3DC*
359	D	D
360	A	D
361	A	B
362	B	D
363	A	B
364	A	B
365	D	D
366	D	B
367	A	B
368	B	B
369	A	D
370	B	D
371	A	B
372	A	B
373	B	B
374	A	A
375	A	B
376	B	B
377	B	D
389	A	D
390	A	A
391	A	B
392	A	B
393	A	A
394	A	A
395	A	B
396	A	A
397	A	B
398	A	A
399	A	B

*Comp. No. - Número de Compuesto

*PHAKPA - Roya de la Soya Asiática (*Phakopsora pachyrhizi*)

*1DP - Protección de 1 día

*3DC - Curación de 3 días

*ppm - partes por millón

Tabla 7. Actividad Biológica - Control de Enfermedad
1DP* a 100 ppm

Cmpd. No.	ALTESO	CERCBE*	COLLA*	LEPTNO*	PYRIOR*	RHYNSE*	VENTIN*
186	D	B	B	A	C	B	C
205	D	A	B	B	A	B	A
207	B	A	A	A	A	B	A
209	D	B	B	A	C	B	C
213	D	B	B	A	C	B	C
214	D	B	B	A	C	B	C

*Comp. No. - Número de Compuesto

*1DP - Protección de 1 día

*ALTESO - Marchitez temprana del tomate (*Alternaria solani*)

*CERCBE - Mancha de las hojas de betabel (*Cercospora beticola*)

*COLLLA - Antracnosis del pepino (*Colletotricum lagenarium*)

*LEPTNO - Mancha gluma del trigo (*Leptosphaeria nodorum*)

*PYRIOR - Añublo en arroz (*Pyricularia oryzae*)

*RHYNSE - Escaldadura de la cebada (*Rhynchosporium secalis*)

*VENTIN - Sarna del manzano (*Venturia inaequalis*)

*ppm - partes por millón

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
188	(Thin film) 3343, 2881, 1771, 1599, 1160, 1037, 756	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₃ H ₂₉ N ₂ O ₇ , 445.1969; found, 445.1957	¹ H NMR (300 MHz, CDCl ₃) δ 8.51 (d, <i>J</i> = 7.9 Hz, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.34 – 7.18 (m, 2H), 7.00 (d, <i>J</i> = 5.4 Hz, 1H), 6.97 – 6.87 (m, 3H), 5.07 (ddd, <i>J</i> = 9.0, 5.0, 4.0 Hz, 1H), 4.70 (p, <i>J</i> = 7.3 Hz, 1H), 4.56 – 4.44 (m, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 1.89 – 1.61 (m, 2H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.4 Hz, 3H), 0.92 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.61, 168.89, 162.41, 159.49, 157.88, 146.66, 141.63, 137.55, 129.53, 121.05, 115.87, 109.75, 77.57, 73.42, 56.28, 48.13, 22.27, 20.74, 18.63, 15.35, 9.79.
189	(Thin film) 3376, 2975, 1770, 1673, 1494, 1173, 1057, 906, 729	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₃ H ₂₉ N ₂ O ₇ , 445.1969; found, 445.1961	¹ H NMR (300 MHz, CDCl ₃) δ 8.56 (d, <i>J</i> = 7.9 Hz, 1H), 8.30 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.17 (m, 2H), 6.98 (d, <i>J</i> = 5.5 Hz, 1H), 6.92 (td, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.89 – 6.82 (m, 2H), 5.09 (ddd, <i>J</i> = 7.1, 5.8, 4.4 Hz, 1H), 4.82 – 4.65 (m, 1H), 4.45 (qd, <i>J</i> = 6.3, 4.4 Hz, 1H), 3.88 (s, 3H), 2.39 (s, 3H), 1.74 (qd, <i>J</i> = 7.8, 6.2 Hz, 2H), 1.50 (d, <i>J</i> = 7.1 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.49, 168.89, 162.45, 159.48, 157.68, 146.66, 141.62, 137.54, 129.52, 121.15, 116.10, 109.74, 77.79, 74.36, 56.28, 48.11, 23.23, 20.75, 18.71, 15.25, 9.85.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
190	(Thin film) 3384, 2961, 1771, 1676, 1506, 1174, 1059, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₁ N ₂ O ₇ , 459.2126; found, 459.2123	¹ H NMR (300 MHz, CDCl ₃) δ 8.52 (d, <i>J</i> = 7.9 Hz, 1H), 8.32 (d, <i>J</i> = 5.5 Hz, 1H), 7.35 – 7.18 (m, 2H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.97 – 6.88 (m, 3H), 5.20 – 5.08 (m, 1H), 4.69 (p, <i>J</i> = 7.2 Hz, 1H), 4.49 (qd, <i>J</i> = 6.4, 4.9 Hz, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 1.74 – 1.61 (m, 2H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.46 – 1.30 (m, 2H), 1.28 (d, <i>J</i> = 6.4 Hz, 3H), 0.91 (t, <i>J</i> = 7.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.57, 168.88, 162.40, 159.49, 157.85, 146.66, 141.61, 137.55, 129.54, 121.06, 115.87, 109.75, 75.96, 73.54, 56.29, 48.11, 31.18, 20.74, 18.67, 18.61, 15.30, 13.91.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
191	(Thin film) 3381, 2961, 1770, 1676, 1506, 1173, 1057, 754	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₁ N ₂ O ₇ , 459.2126; found, 459.2121	¹ H NMR (300 MHz, CDCl ₃) δ 8.56 (d, <i>J</i> = 7.9 Hz, 1H), 8.31 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.17 (m, 2H), 6.99 (d, <i>J</i> = 5.4 Hz, 1H), 6.93 (td, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.89 – 6.78 (m, 2H), 5.17 (dt, <i>J</i> = 8.6, 4.2 Hz, 1H), 4.81 – 4.65 (m, 1H), 4.44 (qd, <i>J</i> = 6.3, 4.2 Hz, 1H), 3.89 (s, 3H), 2.40 (s, 3H), 1.81 – 1.56 (m, 2H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.45 – 1.33 (m, 2H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (t, <i>J</i> = 7.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.46, 168.89, 162.42, 159.47, 157.69, 146.65, 141.61, 137.53, 129.51, 121.15, 116.12, 109.73, 76.30, 74.73, 56.28, 48.10, 32.21, 20.74, 18.72, 18.72, 15.19, 13.93.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
192	(Thin film) 3378, 2958, 1771, 1677, 1506, 1198, 1062, 754	ESIMS <i>m/z</i> 473.4 ([M+H] ⁺)	¹H NMR (300 MHz, CDCl₃) δ 8.56 (d, <i>J</i> = 7.8 Hz, 1H), 8.30 (d, <i>J</i> = 5.4 Hz, 1H), 7.33 – 7.15 (m, 2H), 6.98 (d, <i>J</i> = 5.5 Hz, 1H), 6.96 – 6.89 (m, 1H), 6.89 – 6.82 (m, 2H), 5.26 (dt, <i>J</i> = 9.9, 3.4 Hz, 1H), 4.81 – 4.61 (m, 1H), 4.42 (qd, <i>J</i> = 6.3, 3.8 Hz, 1H), 3.89 (s, 3H), 2.39 (s, 3H), 1.79 – 1.56 (m, 2H), 1.47 (d, <i>J</i> = 7.2 Hz, 3H), 1.44 – 1.35 (m, 1H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (dd, <i>J</i> = 6.5, 4.7 Hz, 6H). ¹³C NMR (101 MHz, CDCl₃) δ 172.45, 168.89, 162.40, 159.47, 157.72, 146.66, 141.61, 137.53, 129.51, 121.15, 116.13, 109.73, 75.17, 74.90, 56.28, 48.09, 38.98, 24.48, 23.48, 21.86, 20.74, 18.73, 15.09.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
193	(Thin film) 3379, 2968, 1770, 1676, 1506, 1197, 1174, 1061, 907, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₁ N ₂ O ₇ , 459.2126; found, 459.2111	¹ H NMR (300 MHz, CDCl ₃) δ 8.58 (d, <i>J</i> = 7.8 Hz, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.34 – 7.18 (m, 2H), 6.99 (d, <i>J</i> = 5.5 Hz, 1H), 6.93 (td, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.90 – 6.81 (m, 2H), 5.07 (dd, <i>J</i> = 6.5, 5.3 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 4.60 – 4.46 (m, 1H), 3.89 (s, 3H), 2.40 (s, 3H), 2.06 (h, <i>J</i> = 6.8 Hz, 1H), 1.57 (d, <i>J</i> = 7.1 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.94 (dd, <i>J</i> = 15.8, 6.8 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.37, 168.90, 162.47, 159.48, 157.40, 146.67, 141.61, 137.54, 129.54, 121.08, 115.87, 109.75, 79.96, 72.63, 56.28, 48.14, 28.92, 20.75, 19.16, 18.82, 17.69, 14.94.
194	(Thin film) 3377, 2983, 1769, 1675, 1507, 1173, 1063, 906, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₁ H ₂₅ N ₂ O ₇ , 417.1656; found, 417.1663	¹ H NMR (300 MHz, CDCl ₃) δ 8.48 (d, <i>J</i> = 8.0 Hz, 1H), 8.29 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.16 (m, 2H), 7.05 – 6.81 (m, 4H), 4.79 – 4.67 (m, 1H), 4.61 (qd, <i>J</i> = 6.3, 4.7 Hz, 1H), 4.29 (qd, <i>J</i> = 11.4, 5.4 Hz, 2H), 3.89 (s, 3H), 2.39 (s, 3H), 1.46 (d, <i>J</i> = 7.2 Hz, 3H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.53, 168.88, 162.49, 159.49, 157.68, 146.63, 141.52, 137.56, 129.53, 121.30, 116.19, 109.78, 71.62, 67.56, 56.29, 47.90, 20.75, 18.44, 16.88.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
195	(Thin film) 3381, 2976, 2939, 1742, 1676, 1496, 1202, 1004, 968	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₁ N ₂ O ₈ , 475.2075; found, 475.2079	¹ H NMR (400 MHz, CDCl ₃) δ 8.33 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.21 (m, 2H), 7.00 – 6.88 (m, 4H), 5.81 – 5.69 (m, 2H), 5.07 (ddd, <i>J</i> = 8.9, 5.0, 3.9 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 4.51 (qd, <i>J</i> = 6.3, 4.9 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.88 – 1.62 (m, 2H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.4 Hz, 3H), 0.93 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.72, 170.25, 163.00, 160.30, 157.89, 145.72, 144.02, 142.62, 129.53, 121.07, 115.88, 109.57, 89.59, 77.56, 73.46, 56.19, 48.30, 22.29, 20.86, 18.55, 15.36, 9.81.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
196	(Thin film) 3382, 2976, 1748, 1676, 1494, 1202, 1004, 967	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₁ N ₂ O ₈ , 475.2075; found, 475.2077	¹H NMR (400 MHz, CDCl₃) δ 8.37 (d, <i>J</i> = 7.7 Hz, 1H), 8.26 (d, <i>J</i> = 5.3 Hz, 1H), 7.31 – 7.20 (m, 2H), 6.94 (d, <i>J</i> = 5.6 Hz, 2H), 6.89 – 6.83 (m, 2H), 5.74 (d, <i>J</i> = 1.5 Hz, 2H), 5.10 (td, <i>J</i> = 6.5, 4.3 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 4.46 (qd, <i>J</i> = 6.3, 4.3 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.75 (p, <i>J</i> = 7.3 Hz, 2H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H), 0.96 (t, <i>J</i> = 7.4 Hz, 3H). ¹³C NMR (101 MHz, CDCl₃) δ 172.60, 170.25, 163.03, 160.28, 157.67, 145.71, 144.00, 142.60, 129.52, 121.16, 116.10, 109.57, 89.59, 77.75, 74.38, 56.18, 48.28, 23.22, 20.86, 18.59, 15.21, 9.89.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
197	(Thin film) 3376, 2960, 1753, 1677, 1497, 1236, 1202, 1004, 969	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₈ , 489.2231; found, 489.2240	¹ H NMR (400 MHz, CDCl ₃) δ 8.33 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.20 (m, 2H), 7.00 – 6.89 (m, 4H), 5.74 (d, <i>J</i> = 2.1 Hz, 2H), 5.20 – 5.12 (m, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 4.50 (qd, <i>J</i> = 6.3, 4.9 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.75 – 1.61 (m, 2H), 1.51 (d, <i>J</i> = 7.1 Hz, 3H), 1.48 – 1.31 (m, 2H), 1.29 (d, <i>J</i> = 6.4 Hz, 3H), 0.91 (t, <i>J</i> = 7.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.68, 170.25, 163.00, 160.30, 157.86, 145.71, 144.04, 142.60, 129.53, 121.07, 115.89, 109.57, 89.60, 75.95, 73.58, 56.19, 48.28, 31.21, 20.86, 18.69, 18.53, 15.31, 13.91.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
198	(Thin film) 3381, 2960, 1749, 1676, 1494, 1201, 1004, 968	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₈ , 489.2231; found, 489.2235	¹ H NMR (400 MHz, CDCl ₃) δ 8.36 (d, <i>J</i> = 7.7 Hz, 1H), 8.26 (d, <i>J</i> = 5.3 Hz, 1H), 7.30 – 7.19 (m, 2H), 6.97 – 6.89 (m, 2H), 6.89 – 6.83 (m, 2H), 5.74 (d, <i>J</i> = 1.6 Hz, 2H), 5.18 (dt, <i>J</i> = 9.0, 4.0 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 4.45 (qd, <i>J</i> = 6.3, 4.1 Hz, 1H), 3.90 (s, 3H), 2.07 (s, 3H), 1.81 – 1.56 (m, 2H), 1.50 (d, <i>J</i> = 7.2 Hz, 3H), 1.48 – 1.33 (m, 2H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (t, <i>J</i> = 7.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.57, 170.25, 163.02, 160.29, 157.69, 145.71, 144.01, 142.60, 129.52, 121.16, 116.12, 109.56, 89.60, 76.26, 74.74, 56.18, 48.26, 32.19, 20.86, 18.75, 18.60, 15.15, 13.93.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
199	(Thin film) 3383, 2958, 1741, 1677, 1496, 1235, 1202, 1004, 970	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₆ H ₃₅ N ₂ O ₈ , 503.2388; found, 503.2400	¹ H NMR (400 MHz, CDCl ₃) δ 8.34 (d, <i>J</i> = 7.8 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.20 (m, 2H), 6.98 – 6.89 (m, 4H), 5.80 – 5.70 (m, 2H), 5.24 (ddd, <i>J</i> = 10.2, 4.7, 3.0 Hz, 1H), 4.72 (p, <i>J</i> = 7.2 Hz, 1H), 4.48 (qd, <i>J</i> = 6.3, 4.7 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.77 – 1.56 (m, 2H), 1.51 (d, <i>J</i> = 7.2 Hz, 3H), 1.49 – 1.43 (m, 1H), 1.29 (d, <i>J</i> = 6.4 Hz, 3H), 0.92 (d, <i>J</i> = 6.5 Hz, 3H), 0.87 (d, <i>J</i> = 6.5 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.66, 170.25, 162.99, 160.31, 157.79, 145.71, 144.05, 142.58, 129.53, 121.09, 115.91, 109.57, 89.61, 74.34, 73.71, 56.19, 48.27, 37.95, 24.58, 23.49, 21.72, 20.86, 18.48, 15.24.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
200	(Thin film) 3376, 2958, 1753, 1677, 1495, 1237, 1202, 1004, 969	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₆ H ₃₅ N ₂ O ₈ , 503.2388; found, 503.2401	¹ H NMR (400 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.7 Hz, 1H), 8.26 (d, <i>J</i> = 5.4 Hz, 1H), 7.30 – 7.19 (m, 2H), 6.98 – 6.89 (m, 2H), 6.89 – 6.81 (m, 2H), 5.74 (d, <i>J</i> = 2.2 Hz, 2H), 5.26 (dt, <i>J</i> = 10.0, 3.4 Hz, 1H), 4.75 (p, <i>J</i> = 7.2 Hz, 1H), 4.43 (qd, <i>J</i> = 6.3, 3.8 Hz, 1H), 3.90 (s, 3H), 2.07 (s, 3H), 1.78 – 1.60 (m, 2H), 1.49 (d, <i>J</i> = 7.1 Hz, 3H), 1.42 (ddd, <i>J</i> = 13.7, 8.9, 3.1 Hz, 1H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (dd, <i>J</i> = 7.6, 6.5 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.56, 170.24, 162.99, 160.29, 157.72, 145.70, 144.01, 142.61, 129.51, 121.16, 116.13, 109.55, 89.60, 75.18, 74.87, 56.18, 48.26, 38.95, 24.50, 23.47, 21.87, 20.86, 18.62, 15.07.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
201	(Thin film) 3382, 2972, 1742, 1677, 1495, 1236, 1201, 1041, 1003, 968	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₈ , 489.2231; found, 489.2233	¹ H NMR (400 MHz, CDCl ₃) δ 8.34 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.21 (m, 2H), 7.00 – 6.87 (m, 4H), 5.74 (d, <i>J</i> = 1.4 Hz, 2H), 4.98 (t, <i>J</i> = 5.7 Hz, 1H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.58 – 4.47 (m, 1H), 3.91 (s, 3H), 2.20 – 2.03 (m, 4H), 1.51 (d, <i>J</i> = 7.1 Hz, 3H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 (apparent t, <i>J</i> = 6.9 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.64, 170.25, 162.95, 160.29, 157.99, 145.69, 144.03, 142.68, 129.52, 121.04, 115.86, 109.53, 89.63, 81.04, 73.32, 56.18, 48.37, 28.66, 20.86, 19.47, 18.59, 17.36, 16.14.
202	(Thin film) 3382, 2968, 1748, 1676, 1494, 1237, 1201, 1043, 1003, 969	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₈ , 489.2231; found, 489.2234	¹ H NMR (400 MHz, CDCl ₃) δ 8.39 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 7.32 – 7.21 (m, 2H), 6.99 – 6.89 (m, 2H), 6.89 – 6.82 (m, 2H), 5.75 (d, <i>J</i> = 2.4 Hz, 2H), 5.07 (dd, <i>J</i> = 6.7, 5.2 Hz, 1H), 4.81 (p, <i>J</i> = 7.2 Hz, 1H), 4.59 – 4.49 (m, 1H), 3.91 (s, 3H), 2.13 – 1.99 (m, 4H), 1.59 (d, <i>J</i> = 7.2 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.94 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.50, 170.25, 163.05, 160.28, 157.40, 145.72, 143.99, 142.63, 129.55, 121.10, 115.88, 109.57, 89.58, 79.93, 72.69, 56.18, 48.27, 28.97, 20.86, 19.15, 18.72, 17.83, 14.87.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
203	(Thin film) 3376, 2984, 1748, 1675, 1497, 1236, 1201, 1003, 969	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₇ N ₂ O ₈ , 447.1762; found, 447.1779	¹ H NMR (400 MHz, CDCl ₃) δ 8.30 (d, <i>J</i> = 7.8 Hz, 1H), 8.25 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.20 (m, 2H), 6.99 – 6.88 (m, 4H), 5.73 (d, <i>J</i> = 1.2 Hz, 2H), 4.74 (p, <i>J</i> = 7.3 Hz, 1H), 4.63 (pd, <i>J</i> = 6.2, 4.6 Hz, 1H), 4.39 – 4.22 (m, 2H), 3.91 (s, 3H), 2.06 (s, 3H), 1.48 (d, <i>J</i> = 7.2 Hz, 3H), 1.35 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.64, 170.26, 163.06, 160.31, 157.68, 145.69, 144.07, 142.45, 129.53, 121.30, 116.17, 109.61, 89.58, 71.63, 67.54, 56.19, 48.12, 20.86, 18.32, 16.87.
204	(Thin film) 3381, 2961, 1753, 1678, 1497, 1238, 1203, 1045, 1004, 971	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₆ H ₃₅ N ₂ O ₈ , 503.2388; found, 503.2387	¹ H NMR (400 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.3 Hz, 1H), 7.30 – 7.20 (m, 2H), 6.98 – 6.89 (m, 4H), 5.79 – 5.70 (m, 2H), 5.25 (ddd, <i>J</i> = 9.9, 5.1, 3.0 Hz, 1H), 4.75 (p, <i>J</i> = 7.3 Hz, 1H), 4.50 – 4.38 (m, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.74 – 1.57 (m, 2H), 1.54 – 1.40 (m, 4H), 1.27 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (d, <i>J</i> = 6.5 Hz, 3H), 0.88 (d, <i>J</i> = 6.4 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.65, 170.26, 163.00, 160.31, 157.69, 145.71, 144.05, 142.59, 129.54, 121.05, 115.77, 109.56, 89.62, 74.51, 73.87, 56.19, 48.25, 38.26, 24.46, 23.49, 21.83, 20.86, 18.58, 15.36.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
205	(Thin film) 3389, 2961, 1754, 1679, 1496, 1238, 1202, 1045, 1004, 971	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₆ H ₃₅ N ₂ O ₈ , 503.2388; found, 503.2383	¹ H NMR (400 MHz, CDCl ₃) δ 8.36 (d, <i>J</i> = 7.6 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 7.32 – 7.21 (m, 2H), 7.01 – 6.79 (m, 4H), 5.81 – 5.70 (m, 2H), 5.20 (ddd, <i>J</i> = 10.1, 4.2, 3.0 Hz, 1H), 4.72 (p, <i>J</i> = 7.2 Hz, 1H), 4.45 (qd, <i>J</i> = 6.3, 4.2 Hz, 1H), 3.91 (s, 3H), 2.06 (s, 3H), 1.81 – 1.70 (m, 1H), 1.70 – 1.56 (m, 1H), 1.55 – 1.43 (m, 4H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (dd, <i>J</i> = 6.6, 3.4 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.49, 170.25, 163.02, 160.31, 157.80, 145.69, 144.05, 142.56, 129.51, 121.20, 116.32, 109.57, 89.63, 75.29, 56.18, 48.37, 38.75, 24.54, 23.54, 21.68, 20.86, 18.42, 15.60.
206	(Thin film) 3388, 2969, 1752, 1678, 1496, 1241, 1203, 1042, 1004, 970	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₈ , 489.2231; found, 489.2228	¹ H NMR (400 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.8 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.21 (m, 2H), 6.98 – 6.84 (m, 4H), 5.80 – 5.70 (m, 2H), 5.00 (t, <i>J</i> = 5.7 Hz, 1H), 4.77 (p, <i>J</i> = 7.3 Hz, 1H), 4.53 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 2.20 – 2.08 (m, 1H), 2.06 (s, 3H), 1.42 (d, <i>J</i> = 7.2 Hz, 3H), 1.28 (d, <i>J</i> = 6.3 Hz, 3H), 0.97 (d, <i>J</i> = 6.8 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.83, 170.25, 162.99, 160.27, 157.77, 145.71, 143.98, 142.66, 129.51, 120.94, 115.66, 109.53, 89.59, 80.93, 73.13, 56.18, 48.26, 28.61, 20.87, 19.51, 18.62, 17.17, 15.97.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
207	(Thin film) 3389, 2968, 1753, 1678, 1496, 1239, 1203, 1004	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₈ , 489.2231; found, 489.2212	¹ H NMR (400 MHz, CDCl ₃) δ 8.40 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.3 Hz, 1H), 7.31 – 7.20 (m, 2H), 6.99 – 6.84 (m, 4H), 5.80 – 5.71 (m, 2H), 5.07 (dd, <i>J</i> = 6.4, 5.1 Hz, 1H), 4.80 (p, <i>J</i> = 7.2 Hz, 1H), 4.50 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 2.21 – 2.09 (m, 1H), 2.07 (s, 3H), 1.58 (d, <i>J</i> = 7.1 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.39, 170.27, 163.07, 160.32, 157.45, 145.73, 144.05, 142.58, 129.56, 121.11, 115.93, 109.61, 89.62, 80.12, 72.63, 56.20, 48.43, 28.72, 20.88, 19.42, 18.69, 16.98, 15.63.
208	(Thin film) 3389, 2933, 1752, 1677, 1496, 1238, 1202, 1043, 1004, 970	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₇ H ₃₇ N ₂ O ₈ , 517.2544; found, 517.2540	¹ H NMR (400 MHz, CDCl ₃) δ 8.38 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.30 – 7.22 (m, 2H), 6.97 – 6.89 (m, 4H), 5.79 – 5.71 (m, 2H), 5.15 (ddd, <i>J</i> = 8.6, 5.4, 4.3 Hz, 1H), 4.75 (p, <i>J</i> = 7.2 Hz, 1H), 4.52 – 4.43 (m, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.77 – 1.62 (m, 2H), 1.45 (d, <i>J</i> = 7.1 Hz, 3H), 1.42 – 1.18 (m, 9H), 0.91 – 0.79 (m, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.70, 170.24, 162.99, 160.32, 157.76, 145.71, 144.06, 142.59, 129.53, 121.01, 115.75, 109.56, 89.63, 76.38, 73.68, 56.18, 48.26, 31.63, 29.36, 24.93, 22.43, 20.86, 18.59, 15.43, 13.97.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
209	(Thin film) 3389, 2935, 1753, 1679, 1496, 1240, 1202, 1046, 1004, 971	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₇ H ₃₇ N ₂ O ₈ , 517.2544; found, 517.2537	¹ H NMR (400 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.6 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.30 – 7.22 (m, 2H), 6.97 – 6.85 (m, 4H), 5.80 – 5.69 (m, 2H), 5.11 (ddd, <i>J</i> = 7.8, 6.4, 4.8 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 4.46 (qd, <i>J</i> = 6.3, 4.6 Hz, 1H), 3.91 (s, 3H), 2.06 (s, 3H), 1.78 – 1.64 (m, 2H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (dd, <i>J</i> = 12.8, 9.6 Hz, 9H), 0.86 (h, <i>J</i> = 3.5 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.49, 170.25, 163.02, 160.31, 157.77, 145.70, 144.05, 142.58, 129.51, 121.19, 116.27, 109.57, 89.62, 76.91, 74.82, 56.19, 48.35, 31.57, 29.81, 25.03, 22.45, 20.86, 18.51, 15.67, 13.94.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
210	(Thin film) 3372, 2934, 1754, 1679, 1497, 1239, 1202, 1043, 1004, 972	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₇ H ₃₇ N ₂ O ₈ , 517.2544; found, 517.2537	¹ H NMR (400 MHz, CDCl ₃) δ 8.35 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.19 (m, 2H), 6.99 – 6.89 (m, 4H), 5.79 – 5.70 (m, 2H), 5.14 (dt, <i>J</i> = 8.3, 4.8 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 4.50 (qd, <i>J</i> = 6.3, 4.7 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.70 (qt, <i>J</i> = 7.8, 4.7 Hz, 2H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.44 – 1.19 (m, 9H), 0.86 (q, <i>J</i> = 6.3, 4.7 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.68, 170.25, 162.99, 160.30, 157.86, 145.71, 144.03, 142.59, 129.53, 121.07, 115.89, 109.57, 89.59, 76.19, 73.58, 56.19, 48.28, 31.55, 29.02, 25.03, 22.43, 20.86, 18.55, 15.32, 13.92.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
211	(Thin film) 3388, 2933, 1752, 1677, 1495, 1239, 1201, 1043, 1004, 970	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₇ H ₃₇ N ₂ O ₈ , 517.2544; found, 517.2541	¹ H NMR (400 MHz, CDCl ₃) δ 8.38 (d, <i>J</i> = 7.7 Hz, 1H), 8.26 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.20 (m, 2H), 7.01 – 6.82 (m, 4H), 5.78 – 5.70 (m, 2H), 5.16 (dt, <i>J</i> = 8.5, 4.3 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 4.45 (qd, <i>J</i> = 6.3, 4.0 Hz, 1H), 3.90 (s, 3H), 2.07 (s, 3H), 1.79 – 1.57 (m, 2H), 1.51 (d, <i>J</i> = 7.1 Hz, 3H), 1.47 – 1.22 (m, 9H), 0.87 (q, <i>J</i> = 4.0 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.56, 170.24, 163.00, 160.30, 157.68, 145.70, 144.02, 142.59, 129.52, 121.15, 116.12, 109.56, 89.62, 76.53, 74.70, 56.18, 48.27, 31.64, 30.04, 25.11, 22.44, 20.86, 18.63, 15.13, 13.98.
212	(Thin film) 3375, 2985, 1750, 1676, 1498, 1237, 1201, 1003, 970	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₂ H ₂₇ N ₂ O ₈ , 447.1762; found, 447.1751	¹ H NMR (400 MHz, CDCl ₃) δ 8.32 (d, <i>J</i> = 7.7 Hz, 1H), 8.26 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.22 (m, 2H), 7.00 – 6.88 (m, 4H), 5.74 (d, <i>J</i> = 1.6 Hz, 2H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.64 (pd, <i>J</i> = 6.4, 4.2 Hz, 1H), 4.40 (dd, <i>J</i> = 11.4, 6.6 Hz, 1H), 4.20 (dd, <i>J</i> = 11.4, 4.2 Hz, 1H), 3.91 (s, 3H), 2.06 (s, 3H), 1.47 (d, <i>J</i> = 7.2 Hz, 3H), 1.34 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.67, 170.26, 163.07, 160.32, 157.72, 145.70, 144.07, 142.43, 129.54, 121.30, 116.17, 109.62, 89.58, 71.71, 67.67, 56.19, 48.13, 20.86, 18.30, 16.79.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
213	(Thin film) 3380, 2958, 1772, 1679, 1507, 1200, 1275	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₅ H ₃₃ N ₂ O ₇ , 473.2282; found, 473.2267	¹ H NMR (400 MHz, CDCl ₃) δ 8.54 (s, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.29 – 7.20 (m, 2H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.93 (tt, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.91 – 6.85 (m, 2H), 5.20 (ddd, <i>J</i> = 10.1, 4.2, 3.0 Hz, 1H), 4.69 (p, <i>J</i> = 7.2 Hz, 1H), 4.44 (qd, <i>J</i> = 6.3, 4.1 Hz, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 2.09 (s, 1H), 1.73 (ddd, <i>J</i> = 14.2, 10.1, 4.4 Hz, 1H), 1.52 – 1.40 (m, 4H), 1.29 (d, <i>J</i> = 6.4 Hz, 3H), 0.93 (dd, <i>J</i> = 6.6, 3.6 Hz, 6H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.37, 168.90, 162.44, 159.50, 157.80, 149.25, 146.65, 141.59, 137.55, 129.51, 121.19, 116.32, 109.77, 75.27, 56.29, 48.21, 38.77, 24.53, 23.54, 21.69, 20.74, 18.50, 15.53.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
214	(Thin film) 3383, 2967, 1771, 1677, 1507, 1198, 1174	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₃₁ N ₂ O ₇ , 459.2126; found, 459.2096	¹ H NMR (400 MHz, CDCl ₃) δ 8.57 (d, <i>J</i> = 6.9 Hz, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.30 – 7.21 (m, 2H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.93 (tt, <i>J</i> = 7.3, 1.0 Hz, 1H), 6.90 – 6.80 (m, 2H), 5.06 (dd, <i>J</i> = 6.3, 5.3 Hz, 1H), 4.76 (p, <i>J</i> = 7.3 Hz, 1H), 4.50 (p, <i>J</i> = 6.2 Hz, 1H), 3.90 (s, 3H), 2.40 (s, 3H), 2.16 – 2.09 (m, 1H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.28 (d, <i>J</i> = 6.2 Hz, 3H), 0.96 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.24, 168.88, 162.49, 159.50, 157.43, 146.68, 141.58, 137.55, 129.53, 121.09, 115.92, 109.79, 80.11, 72.60, 56.29, 48.28, 28.71, 20.73, 19.37, 18.72, 17.01, 15.52.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
215	(Thin film) 3385, 2933, 1772, 1679, 1508, 1200, 1175	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₆ H ₃₅ N ₂ O ₇ , 487.2439; found, 487.2430	¹ H NMR (400 MHz, CDCl ₃) δ 8.54 (d, <i>J</i> = 7.6 Hz, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.29 – 7.22 (m, 2H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.93 (tt, <i>J</i> = 7.3, 1.1 Hz, 1H), 6.91 – 6.85 (m, 2H), 5.14 – 5.08 (m, 1H), 4.71 (p, <i>J</i> = 7.2 Hz, 1H), 4.44 (qd, <i>J</i> = 6.3, 4.4 Hz, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 1.71 (q, <i>J</i> = 8.1, 7.5 Hz, 2H), 1.50 (d, <i>J</i> = 7.1 Hz, 3H), 1.28 (dd, <i>J</i> = 11.2, 7.1 Hz, 9H), 0.87 (q, <i>J</i> = 6.2, 4.9 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.36, 168.90, 162.44, 159.49, 157.76, 146.66, 141.60, 137.54, 129.51, 121.18, 116.27, 109.76, 76.89, 74.80, 56.28, 48.19, 31.57, 29.82, 25.01, 22.44, 20.74, 18.58, 15.60, 13.94.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
216	(Thin film) 3386, 2956, 1771, 1741, 1679, 1510, 1202, 1175	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₆ H ₃₅ N ₂ O ₇ , 487.2439; found, 487.2428	¹ H NMR (400 MHz, CDCl ₃) δ 8.52 (d, <i>J</i> = 7.9 Hz, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.30 – 7.21 (m, 2H), 7.00 (d, <i>J</i> = 5.4 Hz, 1H), 6.97 – 6.89 (m, 3H), 5.13 (dt, <i>J</i> = 8.3, 4.8 Hz, 1H), 4.70 (p, <i>J</i> = 7.3 Hz, 1H), 4.49 (qd, <i>J</i> = 6.3, 4.8 Hz, 1H), 3.91 (s, 3H), 2.39 (s, 3H), 1.78 – 1.59 (m, 2H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.27 (dd, <i>J</i> = 7.5, 5.1 Hz, 9H), 0.92 – 0.79 (m, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.57, 168.89, 162.41, 159.50, 157.85, 146.66, 141.61, 137.55, 129.54, 121.06, 115.89, 109.76, 76.21, 73.55, 56.29, 48.11, 31.55, 28.99, 25.01, 22.43, 20.74, 18.61, 15.30, 13.93.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
217	(Thin film) 3385, 2933, 1772, 1741, 1679, 1508, 1199, 1175	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₆ H ₃₅ N ₂ O ₇ , 487.2439; found, 487.2426	¹ H NMR (400 MHz, CDCl ₃) δ 8.61 – 8.48 (m, 1H), 8.31 (d, <i>J</i> = 5.5 Hz, 1H), 7.25 (td, <i>J</i> = 7.3, 1.9 Hz, 2H), 6.99 (d, <i>J</i> = 5.5 Hz, 1H), 6.93 (tt, <i>J</i> = 7.2, 1.1 Hz, 1H), 6.89 – 6.81 (m, 2H), 5.15 (dt, <i>J</i> = 8.6, 4.4 Hz, 1H), 4.74 (p, <i>J</i> = 7.2 Hz, 1H), 4.44 (qd, <i>J</i> = 6.3, 4.2 Hz, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 1.78 – 1.58 (m, 2H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.45 – 1.21 (m, 9H), 0.93 – 0.79 (m, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.44, 168.89, 162.45, 159.48, 157.68, 146.67, 141.59, 137.53, 129.51, 121.15, 116.12, 109.76, 76.56, 74.69, 56.28, 48.11, 31.64, 30.05, 25.08, 22.43, 20.73, 18.70, 15.16, 13.98.
218	(Thin film) 3373, 2982, 1771, 1745, 1678, 1510, 1201, 1176	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₁ H ₂₅ N ₂ O ₇ , 417.1656; found, 417.1655	¹ H NMR (400 MHz, CDCl ₃) δ 8.49 (d, <i>J</i> = 8.0 Hz, 1H), 8.31 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.21 (m, 2H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.97 – 6.90 (m, 3H), 4.78 – 4.67 (m, 1H), 4.63 (pd, <i>J</i> = 6.4, 4.3 Hz, 1H), 4.40 (dd, <i>J</i> = 11.4, 6.6 Hz, 1H), 4.19 (dd, <i>J</i> = 11.4, 4.4 Hz, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 1.45 (d, <i>J</i> = 7.2 Hz, 3H), 1.33 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C NMR (101 MHz, CDCl ₃) δ 172.55, 168.86, 162.50, 159.49, 157.72, 146.65, 141.51, 137.55, 129.54, 121.30, 116.17, 109.80, 71.68, 67.66, 56.29, 47.91, 20.74, 18.42, 16.81.

Cmpd. No.	IR (cm ⁻¹)	MASS	NMR (¹ H, ¹³ C or ¹⁹ F)
219	(Thin film) 3380, 2985, 1770, 1677, 1507, 1199, 1174	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₄ H ₂₉ N ₂ O ₇ , 457.1969; found, 457.1951	¹ H NMR (500 MHz, CDCl ₃) δ 8.53 (s, 1H), 8.35 – 8.28 (m, 1H), 7.26 (ddd, <i>J</i> = 8.6, 6.2, 2.6 Hz, 2H), 6.99 (dd, <i>J</i> = 5.5, 1.1 Hz, 1H), 6.96 – 6.85 (m, 3H), 4.76 – 4.66 (m, 1H), 4.57 (dq, <i>J</i> = 6.8, 5.3, 4.7, 2.4 Hz, 1H), 4.51 (ddd, <i>J</i> = 9.0, 3.6, 1.1 Hz, 1H), 3.90 (d, <i>J</i> = 1.1 Hz, 3H), 2.40 (d, <i>J</i> = 1.2 Hz, 3H), 1.50 (dd, <i>J</i> = 7.2, 1.2 Hz, 3H), 1.39 (dd, <i>J</i> = 6.4, 1.1 Hz, 3H), 1.38 – 1.35 (m, 1H), 1.23 – 1.14 (m, 1H), 0.70 – 0.59 (m, 1H), 0.58 – 0.35 (m, 2H).
220	(Thin film) 3385, 2932, 1771, 1678, 1507, 1200, 1174	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₇ H ₃₅ N ₂ O ₇ , 499.2439; found, 499.2425	¹ H NMR (500 MHz, CDCl ₃) δ 8.58 (s, 1H), 8.33 (dd, <i>J</i> = 5.4, 1.1 Hz, 1H), 7.30 – 7.19 (m, 3H), 6.99 (dd, <i>J</i> = 5.5, 1.1 Hz, 1H), 6.96 – 6.90 (m, 1H), 6.88 (d, <i>J</i> = 8.1 Hz, 2H), 4.99 (t, <i>J</i> = 5.8 Hz, 1H), 4.79 – 4.71 (m, 1H), 4.56 (p, <i>J</i> = 6.1 Hz, 1H), 3.90 (d, <i>J</i> = 1.1 Hz, 3H), 2.39 (d, <i>J</i> = 1.1 Hz, 3H), 1.88 – 1.59 (m, 7H), 1.41 (dd, <i>J</i> = 7.1, 1.2 Hz, 3H), 1.26 (dd, <i>J</i> = 6.4, 1.2 Hz, 3H), 1.24 – 1.02 (m, 3H). ¹³ C NMR (126 MHz, CDCl ₃) δ 172.71, 168.93, 162.36, 159.43, 157.71, 146.67, 141.56, 137.48, 129.50, 120.91, 115.68, 109.71, 80.41, 72.45, 56.27, 48.05, 38.09, 29.53, 27.54, 26.13, 26.01, 25.87, 20.75, 18.80, 15.90.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
221	(Película de óxido de aluminio) 3379, 2929, 1771, 1678, 1507, 1199, 1174	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₇ H ₃₅ N ₂ O ₇ , 499.2439; encontra 499.2432	¹ H RMN (500 MHz, CDCl ₃) δ 8.58 (s, 1H), 8.32 (dd, <i>J</i> = 5.4, 1.1 Hz, 1H), 7.31 – 7.20 (m, 3H), 7.04 – 6.97 (m, 1H), 6.93 (t, <i>J</i> = 7.3 Hz, 1H), 6.86 (d, <i>J</i> = 8.1 Hz, 2H), 5.07 (t, <i>J</i> = 5.7 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 4.54 (p, <i>J</i> = 6.1 Hz, 1H), 3.91 (d, <i>J</i> = 1.1 Hz, 3H), 2.40 (d, <i>J</i> = 1.1 Hz, 3H), 1.84 – 1.59 (m, 6H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.28 (d, <i>J</i> = 6.2 Hz, 3H), 1.27 – 1.03 (m, 4H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.15, 168.93, 162.42, 159.46, 157.40, 146.66, 141.52, 137.51, 129.51, 121.05, 115.98, 109.76, 79.46, 72.14, 56.28, 48.23, 38.40, 29.69, 27.43, 26.22, 26.09, 25.85, 20.76, 18.77, 15.23.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
222	(Película Delgada) 3385, 2970, 1771, 1678, 1504, 1201	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₃₀ FN ₇ O ₇ , 477.2032; encontra 477.2026	¹ H RMN (500 MHz, CDCl ₃) δ 8.56 (s, 1H), 8.32 (dd, <i>J</i> = 5.5, 1.0 Hz, 1H), 7.00 (dd, <i>J</i> = 5.5, 1.1 Hz, 1H), 6.98 – 6.89 (m, 2H), 6.87 – 6.76 (m, 2H), 5.03 (td, <i>J</i> = 5.8, 1.0 Hz, 1H), 4.80 – 4.71 (m, 1H), 4.40 (p, <i>J</i> = 6.1 Hz, 1H), 3.91 (d, <i>J</i> = 1.0 Hz, 3H), 2.39 (d, <i>J</i> = 0.9 Hz, 3H), 2.09 (dq, <i>J</i> = 13.3, 6.4 Hz, 1H), 1.56 (dd, <i>J</i> = 7.2, 1.0 Hz, 3H), 1.26 (dd, <i>J</i> = 6.2, 1.1 Hz, 3H), 0.96 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (dd, <i>J</i> = 6.8, 1.0 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.26, 168.92, 162.47, 159.48, 157.45 (d, <i>J</i> = 238.9 Hz), 153.47 (d, <i>J</i> = 2.2 Hz), 146.68, 141.48, 137.52, 117.31 (d, <i>J</i> = 7.9 Hz), 115.90 (d, <i>J</i> = 23.1 Hz), 109.79, 79.85, 73.74, 56.29, 48.21, 28.71, 20.75, 19.32, 18.71, 17.20, 15.29. ¹⁹ F RMN (471 MHz, CDCl ₃) δ - 123.25 (tt, <i>J</i> = 8.4, 4.3 Hz).

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
223	(Película Delgada) 3378, 2982, 1769, 1674, 1503, 1198	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₁ H ₂₄ FN ₂ O ₇ , 435.1562; encontra 435.1553 ^{ad}	¹ H RMN (500 MHz, CDCl ₃) δ 8.47 (d, <i>J</i> = 8.0 Hz, 1H), 8.31 (dd, <i>J</i> = 5.4, 1.1 Hz, 1H), 7.00 (dd, <i>J</i> = 5.5, 1.1 Hz, 1H), 6.94 (td, <i>J</i> = 8.7, 8.1, 1.2 Hz, 2H), 6.87 (ddd, <i>J</i> = 9.2, 4.3, 1.1 Hz, 2H), 4.76 – 4.67 (m, 1H), 4.52 (tdd, <i>J</i> = 6.3, 4.5, 1.2 Hz, 1H), 4.35 (ddd, <i>J</i> = 11.4, 6.7, 1.1 Hz, 1H), 4.19 (ddd, <i>J</i> = 11.4, 4.2, 1.1 Hz, 1H), 3.91 (d, <i>J</i> = 1.1 Hz, 3H), 2.39 (d, <i>J</i> = 1.1 Hz, 3H), 1.46 (dd, <i>J</i> = 7.2, 1.1 Hz, 3H), 1.31 (dd, <i>J</i> = 6.3, 1.1 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.53, 168.91, 162.49, 159.47, 157.56 (d, <i>J</i> = 239.0 Hz), 153.79 (d, <i>J</i> = 2.2 Hz), 146.65, 141.38, 137.53, 117.57 (d, <i>J</i> = 8.1 Hz), 115.90 (d, <i>J</i> = 23.0 Hz), 109.82, 72.84, 67.58, 56.30, 47.86, 20.75, 18.40, 16.74. ¹⁹ F RMN (471 MHz, CDCl ₃) δ - 122.95 (tt, <i>J</i> = 8.5, 4.4 Hz).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O. ¹⁹ F)
224	(Película Delgada) 3379, 2985, 1741, 1675, 1494, 1201, 967	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₁ N ₂ O ₈ , 487.2075; encontra 487.2053 ^{da}	¹ H RMN (500 MHz, CDCl ₃) δ 8.34 (d, <i>J</i> = 7.4 Hz, 1H), 8.27 (dd, <i>J</i> = 5.3, 1.0 Hz, 1H), 7.31 – 7.18 (m, 2H), 6.98 – 6.85 (m, 4H), 5.80 – 5.69 (m, 2H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 4.57 (ddd, <i>J</i> = 15.9, 8.5, 4.5 Hz, 1H), 4.51 (dd, <i>J</i> = 9.2, 3.7 Hz, 1H), 3.91 (d, <i>J</i> = 1.0 Hz, 3H), 2.06 (d, <i>J</i> = 1.0 Hz, 3H), 1.52 (d, <i>J</i> = 7.2 Hz, 3H), 1.43 – 1.38 (m, 3H), 1.21 (qt, <i>J</i> = 8.8, 4.9 Hz, 1H), 0.65 (dd, <i>J</i> = 10.9, 6.4 Hz, 1H), 0.59 – 0.47 (m, 1H), 0.42 (d, <i>J</i> = 4.8 Hz, 2H).
225	(Película Delgada) 3380, 2932, 1752, 1678, 1496, 1240, 1202	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₈ H ₃₇ N ₂ O ₈ , 529.2544; encontra 529.2540 ^{da}	¹ H RMN (500 MHz, CDCl ₃) δ 8.39 (d, <i>J</i> = 7.8 Hz, 1H), 8.28 (dd, <i>J</i> = 5.4, 1.2 Hz, 1H), 7.30 – 7.20 (m, 3H), 6.98 – 6.81 (m, 4H), 5.74 (dd, <i>J</i> = 3.2, 1.2 Hz, 2H), 4.99 (t, <i>J</i> = 6.0 Hz, 1H), 4.85 – 4.73 (m, 1H), 4.61 – 4.52 (m, 1H), 3.91 (d, <i>J</i> = 1.2 Hz, 3H), 2.07 (d, <i>J</i> = 1.2 Hz, 3H), 1.87 – 1.59 (m, 6H), 1.43 (dd, <i>J</i> = 7.2, 1.2 Hz, 3H), 1.27 (dd, <i>J</i> = 6.3, 1.2 Hz, 3H), 1.26 – 1.01 (m, 4H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.82, 170.29, 162.95, 160.25, 157.71, 145.73, 143.97, 142.57, 129.50, 120.92, 115.67, 109.53, 89.58, 80.43, 72.44, 56.18, 48.20, 38.10, 29.53, 29.27, 27.57, 26.13, 26.01, 25.87, 18.70, 15.92.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O. ¹⁹ F)
226	(Película Delgada) 3378, 2928, 1751, 1677, 1495, 1202, 971	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₈ H ₃₇ N ₂ O ₈ , 529.2544; encontra 529.2536	¹ H RMN (500 MHz, CDCl ₃) δ 8.41 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (dd, <i>J</i> = 5.4, 1.1 Hz, 1H), 7.31 – 7.20 (m, 2H), 6.94 (ddd, <i>J</i> = 10.7, 6.4, 1.2 Hz, 2H), 6.86 (d, <i>J</i> = 8.0 Hz, 2H), 5.76 (dd, <i>J</i> = 4.3, 1.2 Hz, 2H), 5.07 (td, <i>J</i> = 5.8, 1.1 Hz, 1H), 4.85 – 4.74 (m, 1H), 4.58 – 4.49 (m, 1H), 3.91 (d, <i>J</i> = 1.1 Hz, 3H), 2.07 (d, <i>J</i> = 1.1 Hz, 3H), 1.85 – 1.60 (m, 7H), 1.58 (dd, <i>J</i> = 7.2, 1.1 Hz, 3H), 1.29 (dd, <i>J</i> = 6.2, 1.2 Hz, 3H), 1.27 – 1.02 (m, 4H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.29, 170.30, 163.01, 160.29, 157.41, 145.70, 144.05, 142.48, 129.51, 121.07, 115.97, 109.56, 89.62, 79.48, 72.15, 56.18, 48.38, 38.41, 29.73, 27.39, 26.24, 26.10, 25.86, 20.88, 18.70, 15.33.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
227	(Película Delgada) 3389, 2971, 1747, 1677, 1504, 1203	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₂ FN ₇ O ₈ . 507.2137; encontra 507.2126	¹ H _{RMN} (500 MHz, CDCl ₃) δ 8.36 (d, <i>J</i> = 7.8 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 6.94 (dd, <i>J</i> = 9.9, 7.0 Hz, 3H), 6.82 (dd, <i>J</i> = 9.1, 4.3 Hz, 2H), 5.74 (d, <i>J</i> = 4.7 Hz, 2H), 4.98 (t, <i>J</i> = 5.7 Hz, 1H), 4.78 (p, <i>J</i> = 7.3 Hz, 1H), 4.43 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 2.15 – 2.04 (m, 2H), 1.67 – 1.58 (m, 2H), 1.44 (d, <i>J</i> = 7.2 Hz, 3H), 1.25 (d, <i>J</i> = 6.2 Hz, 3H), 0.96 (dd, <i>J</i> = 6.9, 3.0 Hz, 6H). ¹³ C _{RMN} (126 MHz, CDCl ₃) δ 172.76, 170.29, 162.97, 160.26, 157.33 (d, <i>J</i> = 238.8 Hz), 153.79 (d, <i>J</i> = 2.2 Hz), 145.71, 143.99, 142.51, 116.91 (d, <i>J</i> = 7.8 Hz), 115.88 (d, <i>J</i> = 22.9 Hz), 109.54, 89.56, 80.78, 74.21, 56.18, 48.23, 28.56, 20.88, 19.49, 18.62, 17.10, 15.86. ¹⁹ F _{RMN} (471 MHz, CDCl ₃) δ - 123.48 (tt, <i>J</i> = 8.2, 4.4 Hz).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
228	(Película Delgada) 3379, 2971, 1746, 1675, 1503, 1201, 968	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₂ FN ₂ O ₈ , 507.2137; encontra 507.2133	¹ H ^{RMN} (500 MHz, CDCl ₃) δ 8.39 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (dd, <i>J</i> = 5.4, 1.1 Hz, 1H), 7.02 – 6.89 (m, 3H), 6.82 (ddd, <i>J</i> = 9.0, 4.3, 1.1 Hz, 2H), 5.80 – 5.67 (m, 2H), 5.04 (td, <i>J</i> = 5.8, 1.1 Hz, 1H), 4.79 (pd, <i>J</i> = 7.2, 1.1 Hz, 1H), 4.46 – 4.36 (m, 1H), 3.91 (d, <i>J</i> = 1.1 Hz, 3H), 2.12 (dt, <i>J</i> = 13.2, 6.7 Hz, 1H), 2.07 (d, <i>J</i> = 1.1 Hz, 3H), 1.58 (dd, <i>J</i> = 7.2, 1.1 Hz, 3H), 1.28 (dd, <i>J</i> = 6.2, 1.1 Hz, 3H), 0.96 (dd, <i>J</i> = 6.9, 1.1 Hz, 3H), 0.92 (dd, <i>J</i> = 6.8, 1.1 Hz, 3H). ¹³ C ^{RMN} (126 MHz, CDCl ₃) δ 172.39, 170.30, 163.05, 160.29, 157.45 (d, <i>J</i> = 238.9 Hz), 153.48 (d, <i>J</i> = 2.3 Hz), 145.72, 144.04, 142.45, 117.29 (d, <i>J</i> = 8.1 Hz), 115.91 (d, <i>J</i> = 23.0 Hz), 109.59, 89.59, 79.86, 73.75, 56.19, 48.37, 28.70, 20.88, 19.36, 18.64, 17.12, 15.40. ¹⁹ F ^{RMN} (471 MHz, CDCl ₃) δ - 123.24 (tt, <i>J</i> = 8.6, 4.4 Hz).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
229	(Película Delgada) 3377, 2985, 1746, 1674, 1503, 1200, 829	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd : po C ₂₂ H ₂₆ FN ₂ O ₈ , 465.1668; encontrado 465.1667	¹ H RMN (500 MHz, CDCl ₃) δ 8.30 (d, <i>J</i> = 7.7 Hz, 1H), 8.26 (dd, <i>J</i> = 5.4, 1.1 Hz, 1H), 6.99 – 6.91 (m, 3H), 6.87 (ddd, <i>J</i> = 9.2, 4.3, 1.1 Hz, 2H), 5.77 – 5.69 (m, 2H), 4.73 (pd, <i>J</i> = 7.2, 1.1 Hz, 1H), 4.53 (tt, <i>J</i> = 9.8, 3.1 Hz, 1H), 4.36 (ddd, <i>J</i> = 11.5, 6.8, 1.1 Hz, 1H), 4.20 (ddd, <i>J</i> = 11.4, 4.1, 1.1 Hz, 1H), 3.91 (d, <i>J</i> = 1.1 Hz, 3H), 2.07 (d, <i>J</i> = 1.1 Hz, 3H), 1.48 (dd, <i>J</i> = 7.2, 1.1 Hz, 3H), 1.32 (dd, <i>J</i> = 6.3, 1.1 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.65, 170.30, 163.07, 160.31, 157.56 (d, <i>J</i> = 239.1 Hz), 153.78 (d, <i>J</i> = 2.3 Hz), 145.70, 144.08, 142.28, 117.57 (d, <i>J</i> = 7.9 Hz), 115.89 (d, <i>J</i> = 23.0 Hz), 109.62, 89.55, 72.87, 67.59, 56.20, 48.10, 20.87, 18.26, 16.72. ¹⁹ F RMN (471 MHz, CDCl ₃) δ - 122.94 (tt, <i>J</i> = 8.5, 4.4 Hz).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
230	(Película Delgada) 3388, 2967, 1677, 1494, 1193, 911, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₉ N ₂ O ₆ , 429.2020; encontra-se 429.1992	¹ H RMN (400 MHz, CDCl ₃) δ 8.57 (d, <i>J</i> = 7.7 Hz, 1H), 8.47 (dd, <i>J</i> = 3.8, 2.2 Hz, 1H), 7.54 – 7.45 (m, 2H), 7.33 – 7.20 (m, 2H), 6.94 (td, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.90 – 6.83 (m, 2H), 5.07 (dd, <i>J</i> = 6.2, 5.3 Hz, 1H), 4.77 (p, <i>J</i> = 7.3 Hz, 1H), 4.50 (p, <i>J</i> = 6.1 Hz, 1H), 2.39 (s, 3H), 2.20 – 2.06 (m, 1H), 1.57 (d, <i>J</i> = 7.1 Hz, 3H), 1.29 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ CRMN (101 MHz, CDCl ₃) δ 172.22, 169.48, 162.43, 157.44, 147.46, 145.49, 141.20, 132.96, 129.54, 127.42, 121.11, 115.94, 80.18, 72.64, 48.29, 28.73, 21.04, 19.39, 18.74, 17.04, 15.53.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O· ¹⁹ F)
231	(Película Delgada) 2979, 1678, 1507, 1201, 911, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calc. por <chem>C25H33N2O7</chem> , 473.2282; encontrado 473.2275	¹ H _{RMN} (400 MHz, CDCl ₃) δ 8.56 (d, <i>J</i> = 7.6 Hz, 1H), 8.29 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.21 (m, 2H), 7.00 – 6.90 (m, 2H), 6.90 – 6.83 (m, 2H), 5.06 (dd, <i>J</i> = 6.2, 5.3 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 4.50 (p, <i>J</i> = 6.2 Hz, 1H), 4.13 (q, <i>J</i> = 7.0 Hz, 2H), 2.39 (s, 3H), 2.12 (qd, <i>J</i> = 6.9, 5.3 Hz, 1H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.44 (t, <i>J</i> = 7.0 Hz, 3H), 1.28 (d, <i>J</i> = 6.2 Hz, 3H), 0.96 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 172.26, 168.85, 162.55, 158.84, 157.45, 146.57, 141.67, 137.66, 129.53, 121.08, 115.94, 110.42, 80.10, 72.63, 64.98, 48.27, 28.72, 20.68, 19.38, 18.76, 17.01, 15.55, 14.28.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
233	(Película Delgada) 3393, 2969, 1744, 1676, 1494, 1200, 1007, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₃₁ N ₂ O ₇ , 459.2126; encontra 459.2114	¹ H RMN (400 MHz, CDCl ₃) δ 8.41 – 8.30 (m, 2H), 7.53 (dd, <i>J</i> = 8.4, 1.3 Hz, 1H), 7.42 (dd, <i>J</i> = 8.4, 4.5 Hz, 1H), 7.32 – 7.20 (m, 2H), 6.94 (td, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.91 – 6.82 (m, 2H), 5.87 – 5.79 (m, 2H), 5.08 (dd, <i>J</i> = 6.4, 5.1 Hz, 1H), 4.84 (p, <i>J</i> = 7.2 Hz, 1H), 4.51 (p, <i>J</i> = 6.2 Hz, 1H), 2.21 – 2.12 (m, 1H), 2.11 (s, 3H), 1.59 (d, <i>J</i> = 7.1 Hz, 3H), 1.30 (d, <i>J</i> = 6.1 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.93 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.45, 169.67, 163.05, 157.44, 153.38, 143.31, 140.47, 129.55, 127.77, 127.09, 121.11, 115.92, 87.50, 80.17, 72.63, 48.43, 28.72, 20.86, 19.42, 18.73, 16.97, 15.65.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
234	(Película Delgada) 3379, 2979, 1751, 1676, 1495, 1200, 969, 737	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd: $C_{26}H_{35}N_2O_8$, 503.2388; encontrado: 503.2379	¹ H RMN (400 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.7 Hz, 1H), 8.25 (d, <i>J</i> = 5.3 Hz, 1H), 7.34 – 7.20 (m, 2H), 6.93 (dd, <i>J</i> = 10.1, 6.4 Hz, 2H), 6.90 – 6.82 (m, 2H), 5.76 (d, <i>J</i> = 1.2 Hz, 2H), 5.07 (dd, <i>J</i> = 6.4, 5.1 Hz, 1H), 4.80 (p, <i>J</i> = 7.2 Hz, 1H), 4.50 (p, <i>J</i> = 6.2 Hz, 1H), 4.13 (q, <i>J</i> = 7.0 Hz, 2H), 2.20 – 2.09 (m, 1H), 2.07 (s, 3H), 1.57 (d, <i>J</i> = 7.1 Hz, 3H), 1.48 (t, <i>J</i> = 7.0 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.41, 170.18, 163.12, 159.55, 157.45, 145.61, 143.95, 142.71, 129.54, 121.09, 115.92, 110.27, 89.48, 80.10, 72.64, 64.86, 48.43, 28.71, 20.96, 19.41, 18.69, 16.96, 15.65, 14.37.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
236		HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd for C ₂₇ H ₃₇ N ₂ O ₈ , 517.2544; encontrado 517.2541.	¹ H RMN (400 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.02 – 6.82 (m, 4H), 5.85 – 5.64 (m, 2H), 5.23 (dd, <i>J</i> = 6.5, 4.5 Hz, 1H), 4.73 (p, <i>J</i> = 7.2 Hz, 1H), 4.57 (h, <i>J</i> = 6.3 Hz, 1H), 3.91 (s, 3H), 2.06 (s, 3H), 1.71 – 1.49 (m, 3H), 1.48 – 1.13 (m, 10H), 0.92 (td, <i>J</i> = 7.4, 4.6 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.68, 170.24, 162.95, 160.28, 157.79, 145.71, 143.97, 142.70, 129.51, 120.91, 115.66, 109.52, 89.61, 78.07, 73.44, 56.18, 48.24, 41.46, 22.07, 21.20, 20.86, 18.62, 16.23, 11.52, 11.32.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
237		HRMS–ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₇ H ₃₇ N ₂ O ₈ , 517.2544; encontra 517.2543.	¹ H RMN (400 MHz, CDCl ₃) δ 8.40 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.21 (m, 2H), 6.99 – 6.84 (m, 4H), 5.81 – 5.70 (m, 2H), 5.25 (dd, <i>J</i> = 6.8, 4.2 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 4.54 (p, <i>J</i> = 6.3 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.68 (ddq, <i>J</i> = 7.7, 5.9, 3.8 Hz, 1H), 1.61 – 1.50 (m, 4H), 1.48 – 1.35 (m, 1H), 1.34 – 1.20 (m, 5H), 0.95 (t, <i>J</i> = 7.4 Hz, 3H), 0.85 (t, <i>J</i> = 7.5 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.36, 170.24, 163.05, 160.31, 157.48, 145.69, 144.05, 142.54, 129.54, 121.10, 115.98, 109.60, 89.60, 77.45, 72.67, 56.19, 48.42, 41.64, 22.48, 21.29, 20.86, 18.56, 16.00, 11.60, 11.48.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
238		HRMS-ESI (<i>m/z</i>) ([M+H]⁺) calcd po C₂₇H₃₅N₂O₈, 515.2388; encontra 515.2384.	¹H RMN (400 MHz, CDCl₃) δ 8.40 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.34 – 7.18 (m, 3H), 7.03 – 6.90 (m, 2H), 6.90 – 6.84 (m, 2H), 5.86 – 5.70 (m, 2H), 5.18 (dd, <i>J</i> = 7.4, 4.7 Hz, 1H), 4.79 (p, <i>J</i> = 7.2 Hz, 1H), 4.47 (qd, <i>J</i> = 6.3, 4.6 Hz, 1H), 3.91 (s, 3H), 2.35 – 2.19 (m, 1H), 2.07 (s, 3H), 1.84 – 1.45 (m, 9H), 1.45 – 1.19 (m, 4H). ¹³C RMN (101 MHz, CDCl₃) δ 172.33, 170.26, 163.02, 160.32, 157.56, 145.70, 144.04, 142.65, 129.50, 121.10, 116.13, 109.57, 89.64, 78.97, 74.33, 56.19, 48.43, 40.83, 29.14, 28.44, 25.51, 25.01, 20.86, 18.67, 15.18.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
239		ESIMS <i>m/z</i> 515.4 ([M+H] ⁺)	¹ H RMN (400 MHz, CDCl ₃) δ 8.38 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.3 Hz, 1H), 7.32 – 7.17 (m, 3H), 6.99 – 6.84 (m, 4H), 5.82 – 5.69 (m, 2H), 5.11 (dd, <i>J</i> = 7.3, 4.8 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 4.49 (qd, <i>J</i> = 6.3, 4.8 Hz, 1H), 3.91 (s, 3H), 2.33 (ddt, <i>J</i> = 17.1, 9.5, 7.6 Hz, 1H), 2.07 (s, 3H), 1.83 – 1.49 (m, 5H), 1.47 (d, <i>J</i> = 7.2 Hz, 3H), 1.45 – 1.30 (m, 1H), 1.30 – 1.19 (m, 4H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.78, 170.25, 163.01, 160.29, 157.80, 145.72, 144.01, 142.65, 129.53, 120.95, 115.70, 109.56, 89.61, 79.62, 73.79, 56.19, 48.36, 40.20, 29.20, 28.30, 25.32, 25.09, 20.86, 18.64, 16.02.
240	(Película Delgada) 3383, 2985, 1751, 1675, 1495, 1043, 1004, 972 .	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₉ H ₃₃ N ₂ O ₈ , 537.2231; encontra-se 537.2220.	¹ H RMN (400 MHz, CDCl ₃) δ 8.52 – 8.08 (m, 2H), 7.56 – 7.04 (m, 7H), 7.04 – 6.62 (m, 4H), 5.73 (dd, <i>J</i> = 6.2, 1.8 Hz, 2H), 5.41 – 5.23 (m, 1H), 4.68 (dp, <i>J</i> = 38.3, 7.2 Hz, 1H), 4.47 (dq, <i>J</i> = 8.5, 6.3, 4.5 Hz, 1H), 3.90 (d, <i>J</i> = 3.2 Hz, 3H), 3.17 – 2.93 (m, 2H), 2.05 (d, <i>J</i> = 2.3 Hz, 3H), 1.51 – 1.21 (m, 6H).
241		ESIMS <i>m/z</i> 507.3([M+H] ⁺)	¹ H RMN (400 MHz, CDCl ₃) δ 8.53 – 8.37 (m, 1H), 8.32 (dd, <i>J</i> = 10.2, 5.5 Hz, 1H), 7.32 – 7.10 (m, 6H), 7.05 – 6.76 (m, 4H), 5.41 – 5.21 (m, 1H), 4.82 – 4.39 (m, 2H), 3.98 – 3.80 (m, 3H), 3.19 – 2.89 (m, 2H), 2.39 (d, <i>J</i> = 6.0 Hz, 3H), 1.45 – 1.17 (m, 7H).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
242		ESIMS <i>m/z</i> 487.4 ([M+H] ⁺)	¹ H RMN (400 MHz, CDCl ₃) δ 8.57 (s, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.09 – 6.79 (m, 4H), 5.34 – 5.14 (m, 1H), 4.74 (p, <i>J</i> = 7.2 Hz, 1H), 4.53 (p, <i>J</i> = 6.3 Hz, 1H), 3.90 (s, 3H), 2.40 (s, 3H), 1.67 (ddd, <i>J</i> = 13.3, 7.0, 3.2 Hz, 2H), 1.60 – 1.47 (m, 4H), 1.47 – 1.33 (m, 1H), 1.32 – 1.21 (m, 6H), 0.95 (t, <i>J</i> = 7.4 Hz, 3H), 0.85 (t, <i>J</i> = 7.5 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.21, 168.85, 162.44, 159.49, 157.46, 146.63, 141.57, 137.55, 129.52, 121.07, 115.97, 109.75, 72.65, 56.27, 48.25, 41.60, 22.43, 21.24, 20.72, 18.64, 15.91, 11.54, 11.44.
243	(Película Delgada) 3376, 2968, 2937, 2876, 1743, 1677, 1579, 1503, 1454, 1437, 1341, 1310, 1201, 1151, 1102, 1043, 1004, 970, 830, 701	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₆ H ₃₅ N ₂ O ₈ , 503.2388;encontra 503.2382 [^]	¹ H RMN (500 MHz, CDCl ₃) δ 8.29 – 8.21 (m, 2H), 7.28 – 7.15 (m, 5H), 6.93 (d, <i>J</i> = 5.4 Hz, 1H), 5.76 – 5.68 (m, 2H), 5.20 (dt, <i>J</i> = 9.5, 4.3 Hz, 1H), 4.63 (p, <i>J</i> = 7.2 Hz, 1H), 3.90 (s, 3H), 3.55 – 3.49 (m, 1H), 3.44 (qt, <i>J</i> = 9.1, 6.6 Hz, 2H), 3.05 (dd, <i>J</i> = 14.4, 4.1 Hz, 1H), 2.91 (dd, <i>J</i> = 14.3, 9.4 Hz, 1H), 2.06 (s, 3H), 1.62 – 1.53 (m, 2H), 1.22 (d, <i>J</i> = 7.2 Hz, 3H), 1.20 (d, <i>J</i> = 6.4 Hz, 3H), 0.93 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.21, 170.29, 162.88, 160.24, 145.69, 143.96, 142.52, 137.46, 129.36, 128.30, 126.45, 109.51, 89.57, 77.71, 75.94, 71.27, 56.17, 48.16, 35.96, 23.27, 20.88, 18.26, 16.13, 10.69.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
244	(Película Delgada) 3378, 2933, 2870, 1742, 1677, 1578, 1503, 1454, 1437, 1310, 1200, 1179, 1150, 1101, 1043, 1003, 970, 930, 744, 701	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₈ H ₃₉ N ₂ O ₈ , 531.2701; encontra 531.2696	¹ H ^{RMN} (500 MHz, CDCl ₃) δ 8.29 – 8.21 (m, 2H), 7.30 – 7.14 (m, 5H), 6.93 (d, <i>J</i> = 5.4 Hz, 1H), 5.78 – 5.69 (m, 2H), 5.20 (dt, <i>J</i> = 9.1, 4.3 Hz, 1H), 4.63 (p, <i>J</i> = 7.2 Hz, 1H), 3.90 (s, 3H), 3.56 – 3.40 (m, 3H), 3.05 (dd, <i>J</i> = 14.3, 4.0 Hz, 1H), 2.90 (dd, <i>J</i> = 14.3, 9.5 Hz, 1H), 2.06 (s, 3H), 1.61 – 1.49 (m, 2H), 1.36 – 1.30 (m, 4H), 1.22 (d, <i>J</i> = 7.2 Hz, 3H), 1.19 (d, <i>J</i> = 6.4 Hz, 3H), 0.93 – 0.87 (m, 3H). ¹³ C ^{RMN} (126 MHz, CDCl ₃) δ 172.21, 170.29, 162.87, 160.25, 145.68, 143.97, 142.51, 137.46, 129.37, 128.30, 126.45, 109.51, 89.58, 77.70, 75.97, 69.67, 56.17, 48.17, 36.00, 29.76, 28.38, 22.52, 20.88, 18.27, 16.14, 14.06 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
245	(Película Delgada) 3379, 2957, 2872, 1743, 1677, 1579, 1503, 1454, 1437, 1341, 1310, 1236, 1201, 1180, 1150, 1101, 1043, 1004, 970, 830, 746, 701	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po <chem>C27H37N2O8</chem> , 517.2544; encontra 517.2541 ²⁶	¹ H RMN (500 MHz, CDCl ₃) δ 8.27 – 8.22 (m, 2H), 7.28 – 7.15 (m, 5H), 6.93 (d, <i>J</i> = 5.4 Hz, 1H), 5.77 – 5.70 (m, 2H), 5.20 (dt, <i>J</i> = 9.5, 4.3 Hz, 1H), 4.62 (p, <i>J</i> = 7.2 Hz, 1H), 3.90 (s, 3H), 3.51 (qd, <i>J</i> = 6.4, 4.6 Hz, 1H), 3.27 (dd, <i>J</i> = 8.9, 6.4 Hz, 1H), 3.21 (dd, <i>J</i> = 8.9, 6.7 Hz, 1H), 3.06 (dd, <i>J</i> = 14.4, 4.1 Hz, 1H), 2.90 (dd, <i>J</i> = 14.4, 9.5 Hz, 1H), 2.06 (s, 3H), 1.82 (dp, <i>J</i> = 13.3, 6.6 Hz, 1H), 1.22 (d, <i>J</i> = 7.2 Hz, 3H), 1.19 (d, <i>J</i> = 6.3 Hz, 3H), 0.97 – 0.80 (m, 6H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.18, 170.29, 162.86, 160.25, 145.68, 143.96, 142.52, 137.49, 129.37, 128.29, 126.44, 109.50, 89.58, 77.75, 76.43, 76.14, 56.17, 48.16, 36.02, 28.81, 20.88, 19.45, 19.39, 18.27, 16.03

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
246	(Película Descargada) 3377, 2963, 2874, 1743, 1677, 1579, 1504, 1462, 1339, 1310, 1236, 1202, 1180, 1158, 1100, 1043, 1004, 970, 830	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₃₇ N ₂ O ₈ , 469.2544; encontra 469.2543	¹ H RMN (500 MHz, CDCl ₃) δ 8.41 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.79 – 5.70 (m, 2H), 4.88 (dd, <i>J</i> = 6.3, 5.2 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.48 (p, <i>J</i> = 6.2 Hz, 1H), 3.26 (dd, <i>J</i> = 8.7, 6.3 Hz, 1H), 3.12 (dd, <i>J</i> = 8.7, 6.8 Hz, 1H), 2.13 – 2.03 (m, 4H), 1.83 – 1.71 (m, 1H), 1.55 (d, <i>J</i> = 7.2 Hz, 3H), 1.11 (d, <i>J</i> = 6.2 Hz, 3H), 0.92 (d, <i>J</i> = 4.6 Hz, 3H), 0.91 (d, <i>J</i> = 4.7 Hz, 3H), 0.88 (d, <i>J</i> = 3.0 Hz, 3H), 0.87 (d, <i>J</i> = 3.1 Hz, 3H). ¹³ CRMN (126 MHz, CDCl ₃) δ 172.43, 170.31, 162.95, 160.27, 145.70, 144.00, 142.55, 109.51, 89.62, 80.29, 75.92, 74.44, 56.17, 48.39, 28.76, 28.47, 20.89, 19.47, 19.44, 19.38, 18.77, 17.02, 15.46 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
247	(Película Delgada) 3378, 2964, 2937, 2876, 1741, 1676, 1579, 1504, 1459, 1437, 1338, 1310, 1236, 1201, 1179, 1156, 1100, 1042, 1004, 968, 941, 830	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₃₅ N ₂ O ₈ , 455.2388; encontra 455.2387	¹ H RMN (500 MHz, CDCl ₃) δ 8.41 (d, <i>J</i> = 7.8 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.81 – 5.70 (m, 2H), 4.88 (dd, <i>J</i> = 6.1, 5.4 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.50 (p, <i>J</i> = 6.3 Hz, 1H), 3.44 (dt, <i>J</i> = 8.9, 6.5 Hz, 1H), 3.35 (dt, <i>J</i> = 8.9, 6.7 Hz, 1H), 2.11 – 2.03 (m, 4H), 1.57 – 1.49 (m, 5H), 1.12 (d, <i>J</i> = 6.2 Hz, 3H), 0.96 – 0.86 (m, 9H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.45, 170.31, 162.96, 160.27, 145.70, 144.00, 142.56, 109.51, 89.62, 80.18, 74.27, 70.67, 56.17, 48.39, 28.51, 23.23, 20.89, 19.45, 18.77, 17.13, 15.52, 10.67 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C ^o ¹⁹ F)
248	(Película Delgada) 3386, 2968, 2879, 1755, 1679, 1580, 1507, 1453, 1311, 1252, 1233, 1204, 1181, 1151, 1102, 1042, 1031, 1005, 972, 831	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd 100 C ₂₃ H ₃₄ F ₃ N ₂ O ₈ , 523.2262; encontra 523.2262	¹ H RMN (500 MHz, CDCl ₃) δ 8.40 (d, <i>J</i> = 7.8 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 5.80 – 5.71 (m, 2H), 4.87 (t, <i>J</i> = 5.8 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.56 – 3.44 (m, 3H), 2.21 – 2.10 (m, 2H), 2.07 (s, 3H), 2.00 (dq, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.80 – 1.70 (m, 2H), 1.55 (d, <i>J</i> = 7.2 Hz, 3H), 1.12 (d, <i>J</i> = 6.2 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H), 0.91 (d, <i>J</i> = 6.9 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.49, 170.30, 162.98, 160.29, 145.70, 144.03, 142.47, 131.30 – 123.76 (m), 109.54, 89.62, 79.79, 74.72, 66.96, 56.18, 48.34, 30.73 (q, <i>J</i> = 28.9 Hz), 28.58, 22.73 (q, <i>J</i> = 2.7 Hz), 20.88, 19.34, 18.69, 17.48, 15.15

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
249	(Película Delgado) 3378, 2965, 2875, 1742, 1677, 1579, 1504, 1454, 1367, 1339, 1310, 1236, 1202, 1180, 1155, 1102, 1004, 970, 830, 746, 700	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₈ H ₃₉ N ₂ O ₈ , 531.2701; encontra 531.2697	¹ H RMN (500 MHz, CDCl ₃) δ 8.43 (d, <i>J</i> = 7.7 Hz, 1H), 8.26 (d, <i>J</i> = 5.4 Hz, 1H), 7.30 – 7.23 (m, 2H), 7.20 – 7.13 (m, 3H), 6.93 (d, <i>J</i> = 5.4 Hz, 1H), 5.80 – 5.67 (m, 2H), 4.89 (t, <i>J</i> = 5.8 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 3.91 (s, 3H), 3.55 – 3.38 (m, 3H), 2.72 – 2.58 (m, 2H), 2.12 – 2.03 (m, 4H), 1.84 (tt, <i>J</i> = 7.7, 6.2 Hz, 2H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.13 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 – 0.86 (m, 6H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.48, 170.30, 162.95, 160.27, 145.69, 144.01, 142.52, 142.06, 128.45, 128.26, 125.68, 109.51, 89.62, 80.16, 74.41, 68.05, 56.17, 48.39, 32.39, 31.64, 28.54, 20.89, 19.45, 18.78, 17.27, 15.42 .

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
250	(Película Delgada) 3381, 2962, 2874, 1772, 1739, 1677, 1590, 1571, 1507, 1455, 1435, 1339, 1310, 1276, 1199, 1174, 1099, 1062, 905, 825, 801	ESIMS <i>m/z</i> 439.3 ([M+H] ⁺)	¹ HRMN (500 MHz, CDCl ₃) δ 8.58 (s, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.00 (d, <i>J</i> = 5.4 Hz, 1H), 4.87 (dd, <i>J</i> = 6.2, 5.4 Hz, 1H), 4.77 – 4.69 (m, 1H), 3.91 (s, 3H), 3.47 (p, <i>J</i> = 6.2 Hz, 1H), 3.25 (dd, <i>J</i> = 8.7, 6.3 Hz, 1H), 3.12 (dd, <i>J</i> = 8.7, 6.8 Hz, 1H), 2.40 (s, 3H), 2.07 (pd, <i>J</i> = 6.9, 5.3 Hz, 1H), 1.77 (dp, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.53 (d, <i>J</i> = 7.1 Hz, 3H), 1.10 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 – 0.85 (m, 12H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.29, 168.93, 162.36, 159.43, 146.65, 141.58, 137.46, 109.70, 80.27, 75.91, 74.44, 56.27, 48.24, 28.75, 28.47, 20.75, 19.43, 18.84, 17.07, 15.38 .
251	(Película Delgada) 3386, 2967, 2878, 1772, 1739, 1678, 1591, 1572, 1507, 1481, 1453, 1310, 1232, 1199, 1175, 1151, 1100, 1062, 1029, 905, 828	ESIMS <i>m/z</i> 493.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.56 (s, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.00 (d, <i>J</i> = 5.4 Hz, 1H), 4.86 (dd, <i>J</i> = 6.2, 5.3 Hz, 1H), 4.78 – 4.69 (m, 1H), 3.91 (s, 3H), 3.55 – 3.42 (m, 3H), 2.39 (s, 3H), 2.20 – 2.08 (m, 2H), 2.03 – 1.94 (m, 1H), 1.79 – 1.73 (m, 2H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.11 (d, <i>J</i> = 6.3 Hz, 3H), 0.91 (d, <i>J</i> = 6.8 Hz, 6H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.37, 168.95, 162.40, 159.46, 146.66, 141.52, 137.51, 127.32 (q, <i>J</i> = 276.1 Hz), 109.75, 79.77, 74.72, 66.95, 56.29, 48.19, 30.73 (q, <i>J</i> = 28.9 Hz), 28.59, 22.73 (q, <i>J</i> = 3.1 Hz), 20.74, 19.31, 18.77, 17.57, 15.07 .

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
252	(Película Delgada) 3383, 2965, 2939, 2875, 1771, 1738, 1677, 1571, 1506, 1453, 1435, 1339, 1310, 1198, 1174, 1100, 1061, 1041, 907, 826, 738, 699	ESIMS <i>m/z</i> 501.3 ([M+H] ⁺)	¹ H _{RMN} (500 MHz, CDCl ₃) δ 8.58 (s, 1H), 8.31 (d, <i>J</i> = 5.4 Hz, 1H), 7.25 (d, <i>J</i> = 12.0 Hz, 2H), 7.21 – 7.13 (m, 3H), 6.99 (d, <i>J</i> = 5.4 Hz, 1H), 4.89 (t, <i>J</i> = 5.8 Hz, 1H), 4.74 (p, <i>J</i> = 7.3 Hz, 1H), 3.90 (s, 3H), 3.53 – 3.37 (m, 3H), 2.71 – 2.60 (m, 2H), 2.39 (d, <i>J</i> = 0.9 Hz, 3H), 2.04 (qd, <i>J</i> = 6.9, 5.7 Hz, 1H), 1.88 – 1.79 (m, 2H), 1.54 (d, <i>J</i> = 7.1 Hz, 3H), 1.11 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 4.3 Hz, 3H), 0.90 (d, <i>J</i> = 4.6 Hz, 3H). ¹³ C _{RMN} (126 MHz, CDCl ₃) δ 172.36, 168.96, 162.40, 159.44, 146.67, 142.07, 141.56, 137.48, 128.46, 128.26, 125.67, 109.72, 80.15, 74.42, 68.05, 56.28, 48.25, 32.37, 31.62, 28.56, 20.75, 19.40, 18.83, 17.35, 15.32

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
253	(Película película) 3380, 2970, 1741, 1676, 1504, 1457, 1437, 1368, 1339, 1310, 1236, 1201, 1180, 1154, 1101, 1042, 1003, 969, 830, 736	ESIMS <i>m/z</i> 467.3 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.42 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.78 – 5.72 (m, 2H), 4.94 (dq, <i>J</i> = 2.2, 1.1 Hz, 1H), 4.91 (t, <i>J</i> = 5.7 Hz, 1H), 4.87 – 4.83 (m, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 3.96 – 3.90 (m, 4H), 3.84 (d, <i>J</i> = 12.3 Hz, 1H), 3.58 (p, <i>J</i> = 6.2 Hz, 1H), 2.11 – 2.02 (m, 4H), 1.72 (t, <i>J</i> = 1.1 Hz, 3H), 1.56 (d, <i>J</i> = 7.2 Hz, 3H), 1.15 (d, <i>J</i> = 6.3 Hz, 3H), 0.96 – 0.88 (m, 6H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.46, 170.31, 162.95, 160.27, 145.70, 144.00, 142.55, 142.37, 112.08, 109.52, 89.62, 80.04, 73.63, 72.69, 56.17, 48.39, 28.58, 20.89, 19.60, 19.43, 18.76, 17.34, 15.26 .

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O . ¹⁹ F)
254	(Película Delgada) 3379, 2968, 1740, 1675, 1579, 1504, 1458, 1437, 1339, 1310, 1201, 1179, 1154, 1099, 1061, 1041, 1003, 968, 940, 830, 737	ESIMS <i>m/z</i> 453.3 ([M+H] ⁺)	¹ H ^{RMN} (500 MHz, CDCl ₃) δ 8.41 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.87 (ddt, <i>J</i> = 17.2, 10.4, 5.6 Hz, 1H), 5.79 – 5.71 (m, 2H), 5.25 (dq, <i>J</i> = 17.2, 1.7 Hz, 1H), 5.14 (dq, <i>J</i> = 10.4, 1.4 Hz, 1H), 4.90 (t, <i>J</i> = 5.8 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 4.07 – 3.94 (m, 2H), 3.91 (s, 3H), 3.60 (p, <i>J</i> = 6.2 Hz, 1H), 2.09 – 2.01 (m, 4H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.14 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 – 0.87 (m, 6H). ¹³ C ^{RMN} (126 MHz, CDCl ₃) δ 172.47, 170.31, 162.96, 160.27, 145.70, 144.00, 142.56, 134.94, 116.77, 109.52, 89.62, 80.00, 73.60, 69.66, 56.18, 48.39, 28.56, 20.89, 19.41, 18.75, 17.36, 15.33 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
255	(Película Delgada) 3380, 2970, 1742, 1676, 1579, 1505, 1457, 1438, 1368, 1308, 1263, 1202, 1108, 1042, 1003, 964, 829, 737	ESIMS <i>m/z</i> 521.3 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.39 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.38 (ddq, <i>J</i> = 15.7, 4.0, 2.0 Hz, 1H), 5.88 (dqt, <i>J</i> = 15.3, 6.6, 2.2 Hz, 1H), 5.76 (d, <i>J</i> = 6.4 Hz, 1H), 5.73 (d, <i>J</i> = 6.4 Hz, 1H), 4.91 (dd, <i>J</i> = 6.3, 5.1 Hz, 1H), 4.77 (p, <i>J</i> = 7.2 Hz, 1H), 4.14 – 4.06 (m, 2H), 3.91 (s, 3H), 3.62 (qd, <i>J</i> = 6.3, 5.1 Hz, 1H), 2.07 (s, 3H), 2.02 (h, <i>J</i> = 6.8 Hz, 1H), 1.55 (d, <i>J</i> = 7.2 Hz, 3H), 1.17 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (d, <i>J</i> = 6.7 Hz, 3H), 0.92 (d, <i>J</i> = 6.9 Hz, 3H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.49, 170.30, 163.00, 160.29, 145.71, 144.03, 142.45, 136.71 (d, <i>J</i> = 6.5 Hz), 127.29 – 119.33 (m), 118.35 (q, <i>J</i> = 34.0 Hz), 109.56, 89.60, 79.61, 75.05, 66.51, 56.18, 48.35, 28.62, 20.88, 19.32, 18.64, 17.66, 15.05

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
256	(Película Delgada) 3378, 2970, 1771, 1739, 1678, 1507, 1437, 1368, 1308, 1263, 1199, 1175, 1109, 1062, 960, 827	ESIMS <i>m/z</i> 491.3 ([M+H] ⁺)	¹ H _{RMN} (500 MHz, CDCl ₃) δ 8.55 (s, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.00 (d, <i>J</i> = 5.4 Hz, 1H), 6.37 (ddq, <i>J</i> = 15.7, 4.0, 2.0 Hz, 1H), 5.88 (dqt, <i>J</i> = 15.4, 6.6, 2.2 Hz, 1H), 4.90 (dd, <i>J</i> = 6.5, 5.1 Hz, 1H), 4.78 – 4.69 (m, 1H), 4.13 – 4.07 (m, 2H), 3.91 (s, 3H), 3.61 (qd, <i>J</i> = 6.3, 5.0 Hz, 1H), 2.39 (s, 3H), 2.05 – 1.95 (m, 1H), 1.53 (d, <i>J</i> = 7.2 Hz, 3H), 1.16 (d, <i>J</i> = 6.3 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 6H). ¹³ C _{RMN} (126 MHz, CDCl ₃) δ 172.36, 168.94, 162.42, 159.46, 146.67, 141.49, 137.51, 136.70 (q, <i>J</i> = 6.2 Hz), 126.66 – 119.76 (m), 118.36 (q, <i>J</i> = 33.9 Hz), 109.76, 79.58, 75.04, 66.49, 56.29, 48.19, 28.63, 20.74, 19.29, 18.72, 17.72, 14.98 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C et ¹⁹ F)
257	(Película Delgada) 3386, 2960, 2873, 1739, 1676, 1579, 1503, 1460, 1437, 1201, 1179, 1063, 1042, 1003, 967, 941, 830, 736	ESIMS <i>m/z</i> 469.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.40 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.76 (d, <i>J</i> = 6.4 Hz, 1H), 5.74 (d, <i>J</i> = 6.5 Hz, 1H), 4.83 – 4.74 (m, 2H), 3.91 (s, 3H), 3.54 (qd, <i>J</i> = 6.3, 5.0 Hz, 1H), 3.28 (dd, <i>J</i> = 8.7, 6.4 Hz, 1H), 3.04 (dd, <i>J</i> = 8.7, 6.7 Hz, 1H), 2.07 (s, 4H), 1.79 (dt, <i>J</i> = 13.3, 6.7 Hz, 1H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.11 (d, <i>J</i> = 6.3 Hz, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H), 0.91 – 0.84 (m, 9H). ¹³ C RMN (126 MHz, CDCl ₃) δ 172.70, 170.30, 162.93, 160.25, 145.72, 143.96, 142.66, 109.49, 89.60, 81.82, 75.93, 74.56, 56.17, 48.27, 28.81, 28.46, 20.89, 19.48, 19.45, 18.78, 17.61, 15.56 .
258	(Película Delgada) 2975, 1737, 1675, 1497, 1455, 1202, 1175, 940, 736	ESIMS <i>m/z</i> 455.2 ([M+H] ⁺)	¹ H RMN (500 MHz, CDCl ₃) δ 8.40 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.79 – 5.69 (m, 2H), 4.85 – 4.68 (m, 2H), 3.91 (s, 3H), 3.60 – 3.53 (m, 1H), 3.49 (dt, <i>J</i> = 9.0, 6.6 Hz, 1H), 3.25 (dt, <i>J</i> = 8.9, 6.8 Hz, 1H), 2.10 – 2.01 (m, 4H), 1.55 (s, 2H), 1.12 (d, <i>J</i> = 6.4 Hz, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H), 0.91 – 0.87 (m, 6H).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
259	(Película Delgada) 2975, 2879, 1737, 1677, 1580, 1502, 1454, 1202, 1150, 1062, 1040, 1003, 969, 831, 736	ESIMS <i>m/z</i> 523.2 ([M+H] ⁺)	¹ H ^{RMN} (500 MHz, CDCl ₃) δ 8.38 (d, <i>J</i> = 7.8 Hz, 1H), 8.28 (d, <i>J</i> = 5.3 Hz, 1H), 6.94 (d, <i>J</i> = 5.4 Hz, 1H), 5.77 – 5.70 (m, 2H), 4.84 – 4.72 (m, 2H), 3.91 (s, 3H), 3.61 – 3.53 (m, 2H), 3.34 (dt, <i>J</i> = 9.2, 6.1 Hz, 1H), 2.21 – 2.10 (m, 2H), 2.07 (s, 3H), 2.02 (dt, <i>J</i> = 13.5, 6.7 Hz, 1H), 1.83 – 1.72 (m, 2H), 1.55 (d, <i>J</i> = 7.8 Hz, 3H), 1.12 (d, <i>J</i> = 6.4 Hz, 3H), 0.94 (d, <i>J</i> = 6.8 Hz, 3H), 0.89 (d, <i>J</i> = 6.7 Hz, 3H).
260	(Película Delgada) 3371, 2983, 1743, 1496, 1200, 1003, 971, 700	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd por C ₂₈ H ₃₁ N ₂ O ₈ , 523.2075; encontrado 523.2070	¹ H ^{RMN} (400 MHz, CDCl ₃) δ 8.36 (d, <i>J</i> = 7.8 Hz, 1H), 8.25 (d, <i>J</i> = 5.4 Hz, 1H), 7.45 – 7.18 (m, 7H), 6.97 – 6.91 (m, 2H), 6.89 – 6.82 (m, 2H), 5.96 (d, <i>J</i> = 4.4 Hz, 1H), 5.80 – 5.71 (m, 2H), 4.85 (p, <i>J</i> = 7.3 Hz, 1H), 4.67 (qd, <i>J</i> = 6.3, 4.4 Hz, 1H), 3.90 (s, 3H), 2.06 (s, 3H), 1.51 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C ^{RMN} (101 MHz, CDCl ₃) δ 171.64, 170.25, 163.07, 160.31, 157.70, 145.68, 144.06, 142.50, 136.76, 129.49, 128.32, 128.25, 127.19, 121.37, 116.45, 109.60, 89.61, 78.19, 76.10, 56.19, 48.15, 20.85, 18.29, 15.40.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
261	(Película Delgada) 3374, 2984, 1747, 1677, 1496, 1201, 1003, 972	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₈ H ₃₁ N ₂ O ₈ , 523.2075; encontra 523.2066	¹ H RMN (400 MHz, CDCl ₃) δ 8.30 (d, <i>J</i> = 7.8 Hz, 1H), 8.25 (d, <i>J</i> = 5.4 Hz, 1H), 7.43 – 7.30 (m, 5H), 7.30 – 7.21 (m, 2H), 6.99 – 6.90 (m, 4H), 5.96 (d, <i>J</i> = 6.8 Hz, 1H), 5.78 – 5.67 (m, 2H), 4.72 (dp, <i>J</i> = 22.6, 6.8, 6.4 Hz, 2H), 3.91 (s, 3H), 2.05 (s, 3H), 1.44 (d, <i>J</i> = 7.2 Hz, 3H), 1.16 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.77, 170.25, 162.97, 160.29, 158.06, 145.67, 144.03, 142.59, 136.54, 129.54, 128.53, 128.47, 127.43, 121.27, 116.18, 109.56, 89.61, 78.88, 75.46, 56.18, 48.11, 20.85, 18.25, 16.18.
262	(Película Delgada) 3373, 2984, 1739, 1675, 1496, 1202, 970	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₉ N ₂ O ₈ , 461.1918; encontra 461.1913	¹ H RMN (400 MHz, CDCl ₃) δ 8.34 (d, <i>J</i> = 7.8 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.34 – 7.21 (m, 2H), 7.00 – 6.87 (m, 4H), 5.74 (d, <i>J</i> = 0.8 Hz, 2H), 5.19 (p, <i>J</i> = 6.4 Hz, 1H), 4.71 (p, <i>J</i> = 7.3 Hz, 1H), 4.45 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.43 (d, <i>J</i> = 7.2 Hz, 3H), 1.33 (d, <i>J</i> = 6.5 Hz, 3H), 1.29 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.41, 170.25, 163.03, 160.31, 157.82, 145.71, 144.03, 142.59, 129.54, 121.07, 115.82, 109.57, 89.60, 74.55, 72.97, 56.18, 48.28, 20.86, 18.47, 15.28, 15.23.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
263	(Película Delgada) 3371, 2984, 1739, 1675, 1495, 1202, 1004, 969, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₉ N ₂ O ₈ , 461.1918; encontra 461.1915	¹ H RMN (400 MHz, CDCl ₃) δ 8.32 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.31 – 7.21 (m, 2H), 6.97 – 6.87 (m, 4H), 5.83 – 5.69 (m, 2H), 5.09 (qd, <i>J</i> = 6.4, 4.3 Hz, 1H), 4.70 (p, <i>J</i> = 7.2 Hz, 1H), 4.45 (qd, <i>J</i> = 6.3, 4.2 Hz, 1H), 3.91 (s, 3H), 2.07 (s, 3H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.35 (d, <i>J</i> = 6.4 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H).
264	(Película Delgada) 3381, 2975, 1741, 1676, 1507, 1203, 1150, 970, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₁ F ₂ N ₇ O ₈ , 525.2043; encontra 525.2038	¹ H RMN (400 MHz, CDCl ₃) δ 8.39 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 7.06 – 6.92 (m, 2H), 6.71 (ddd, <i>J</i> = 9.7, 6.6, 3.0 Hz, 1H), 6.61 (ddt, <i>J</i> = 8.8, 7.5, 3.1 Hz, 1H), 5.84 – 5.69 (m, 2H), 5.09 (t, <i>J</i> = 5.7 Hz, 1H), 4.80 (p, <i>J</i> = 7.2 Hz, 1H), 4.47 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 2.17 – 2.02 (m, 4H), 1.58 (d, <i>J</i> = 7.1 Hz, 3H), 1.32 (d, <i>J</i> = 6.2 Hz, 3H), 0.96 (dd, <i>J</i> = 10.3, 6.8 Hz, 6H). ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 116.83 (d, <i>J</i> = 15.1 Hz), -138.23 (dd, <i>J</i> = 15.0, 1.3 Hz).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
265	(Película Delgada) 3388, 2974, 1741, 1676, 1506, 1325, 1161, 1111, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₆ H ₃₂ F ₃ N ₂ O ₈ , 557.2105; encontra 557.2103	¹ H RMN (400 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.52 (d, <i>J</i> = 8.6 Hz, 2H), 6.94 (dd, <i>J</i> = 10.8, 7.0 Hz, 3H), 5.83 – 5.70 (m, 2H), 5.07 (t, <i>J</i> = 5.8 Hz, 1H), 4.80 (p, <i>J</i> = 7.3 Hz, 1H), 4.58 (p, <i>J</i> = 6.1 Hz, 1H), 3.92 (s, 3H), 2.07 (s, 4H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.33 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H). ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 61.56 .

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
266	(Película Delgada) 3381, 2969, 1742, 1676, 1488, 1201, 1133, 968, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₂ FN ₂ O ₈ , 507.2137; encontra 507.2133	¹ H RMN (400 MHz, CDCl ₃) δ 8.38 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.20 (td, <i>J</i> = 8.3, 6.8 Hz, 1H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.75 – 6.54 (m, 3H), 5.76 (d, <i>J</i> = 3.0 Hz, 2H), 5.06 (t, <i>J</i> = 5.8 Hz, 1H), 4.79 (p, <i>J</i> = 7.2 Hz, 1H), 4.48 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 2.16 – 2.04 (m, 4H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.37, 167.57 (d, <i>J</i> = 538.8 Hz), 163.08, 162.46, 160.33, 158.80 (d, <i>J</i> = 11.0 Hz), 145.72, 144.07, 142.56, 130.30 (d, <i>J</i> = 10.1 Hz), 111.40 (d, <i>J</i> = 2.9 Hz), 109.61, 107.90 (d, <i>J</i> = 21.3 Hz), 103.52 (d, <i>J</i> = 24.5 Hz), 89.62, 79.80, 73.07, 56.19, 48.40, 28.75, 20.86, 19.35, 18.61, 17.09, 15.39. ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 111.60 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
267	(Película Delgada) 3377, 2967, 1751, 1676, 1497, 1201, 1003, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₆ H ₃₄ ClN ₂ O ₈ , 537.1998; encontra 537.1993	¹ H RMN (400 MHz, CDCl ₃) δ 8.43 (d, <i>J</i> = 7.8 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 7.15 (d, <i>J</i> = 2.1 Hz, 1H), 7.01 – 6.90 (m, 2H), 6.83 (d, <i>J</i> = 8.4 Hz, 1H), 5.80 – 5.70 (m, 2H), 5.12 (t, <i>J</i> = 5.7 Hz, 1H), 4.81 (p, <i>J</i> = 7.3 Hz, 1H), 4.47 (p, <i>J</i> = 6.1 Hz, 1H), 3.91 (s, 3H), 2.26 (s, 3H), 2.24 – 2.12 (m, 1H), 2.07 (s, 3H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.93 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.38, 170.25, 163.04, 160.31, 150.80, 145.70, 144.04, 142.60, 131.84, 130.98, 128.04, 124.11, 115.94, 109.57, 89.63, 79.96, 74.53, 56.18, 48.42, 28.71, 20.87, 20.30, 19.39, 18.64, 17.25, 15.40.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
268	(Película Delgada) 3375, 2967, 1748, 1676, 1478, 1201, 970, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₁ Cl ₂ N ₂ O ₈ , 557.1452; encontra 557.1447	¹ H _{RMN} (400 MHz, CDCl ₃) δ 8.41 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.3 Hz, 1H), 7.34 (d, <i>J</i> = 2.6 Hz, 1H), 7.16 (dd, <i>J</i> = 8.8, 2.6 Hz, 1H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.87 (d, <i>J</i> = 8.8 Hz, 1H), 5.81 – 5.70 (m, 2H), 5.10 (t, <i>J</i> = 5.7 Hz, 1H), 4.81 (p, <i>J</i> = 7.2 Hz, 1H), 4.50 (p, <i>J</i> = 6.1 Hz, 1H), 3.91 (s, 3H), 2.14 (td, <i>J</i> = 13.4, 12.5, 5.8 Hz, 1H), 2.07 (s, 3H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.93 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 172.37, 170.24, 163.06, 160.31, 151.86, 145.70, 144.05, 142.50, 130.28, 127.54, 126.33, 125.22, 116.27, 109.61, 89.60, 79.61, 74.80, 56.19, 48.37, 28.72, 20.87, 19.34, 18.56, 17.37, 15.19.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
269	(Película Delgada) 3376, 2980, 1752, 1676, 1506, 1142, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₁ ClFN ₂ O ₈ , 541.1747; encontra 541.1740	¹ H RMN (400 MHz, CDCl ₃) δ 8.37 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.3 Hz, 1H), 6.96 (d, <i>J</i> = 5.4 Hz, 1H), 6.71 – 6.63 (m, 2H), 6.50 (dt, <i>J</i> = 10.5, 2.2 Hz, 1H), 5.80 – 5.70 (m, 2H), 5.04 (t, <i>J</i> = 5.8 Hz, 1H), 4.79 (p, <i>J</i> = 7.3 Hz, 1H), 4.46 (p, <i>J</i> = 6.1 Hz, 1H), 3.91 (s, 3H), 2.14 – 2.00 (m, 4H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.35, 170.25, 163.40 (d, <i>J</i> = 248.0 Hz), 163.11, 160.34, 159.01 (d, <i>J</i> = 12.4 Hz), 145.73, 144.09, 142.49, 135.47 (d, <i>J</i> = 13.5 Hz), 112.13 (d, <i>J</i> = 3.2 Hz), 109.64, 109.02 (d, <i>J</i> = 25.3 Hz), 102.08 (d, <i>J</i> = 24.8 Hz), 89.61, 79.49, 73.51, 56.20, 48.37, 28.77, 20.86, 19.29, 18.52, 17.21, 15.15. ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 109.98 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
270	(Película Delgada) 3376, 2970, 1751, 1676, 1505, 1201, 1003, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd por C ₂₅ H ₃₂ ClN ₂ O ₈ , 523.1842; encontrado 523.1839	¹ H ^{RMN} (400 MHz, CDCl ₃) δ 8.39 (d, <i>J</i> = 7.6 Hz, 1H), 8.28 (d, <i>J</i> = 5.4 Hz, 1H), 7.18 (t, <i>J</i> = 8.1 Hz, 1H), 6.98 – 6.82 (m, 3H), 6.76 (ddd, <i>J</i> = 8.3, 2.5, 0.9 Hz, 1H), 5.80 – 5.72 (m, 2H), 5.05 (t, <i>J</i> = 5.8 Hz, 1H), 4.80 (pd, <i>J</i> = 7.2, 2.5 Hz, 1H), 4.54 – 4.43 (m, 1H), 3.91 (s, 3H), 2.17 – 2.03 (m, 4H), 1.58 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.1 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C ^{RMN} (101 MHz, CDCl ₃) δ 172.37, 170.25, 163.08, 160.32, 158.19, 145.72, 144.06, 134.93, 130.33, 129.54, 121.28, 116.27, 114.12, 109.61, 89.61, 79.81, 73.07, 56.19, 48.40, 28.74, 20.86, 19.35, 18.60, 17.10, 15.37.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
271	(Película Delgada) 3375, 2972, 1750, 1676, 1505, 1201, 1040, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₆ H ₃₅ N ₂ O ₉ , 519.2337, encontra 519.2335 [~]	¹ H RMN (400 MHz, CDCl ₃) δ 8.38 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.88 – 6.77 (m, 4H), 5.79 – 5.68 (m, 2H), 4.97 (t, <i>J</i> = 5.7 Hz, 1H), 4.79 (p, <i>J</i> = 7.2 Hz, 1H), 4.39 (h, <i>J</i> = 6.1 Hz, 1H), 3.91 (s, 3H), 3.76 (s, 3H), 2.13 (dq, <i>J</i> = 12.6, 6.8, 5.9 Hz, 1H), 2.07 (s, 3H), 1.46 (d, <i>J</i> = 7.1 Hz, 3H), 1.24 (d, <i>J</i> = 6.3 Hz, 3H), 0.97 (dd, <i>J</i> = 6.8, 5.6 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.81, 170.23, 162.99, 160.27, 154.11, 151.81, 145.71, 143.97, 142.67, 117.18, 114.69, 109.55, 89.58, 81.03, 74.32, 56.18, 55.69, 48.29, 28.60, 20.86, 19.52, 18.68, 17.21, 16.01.
272	(Película Delgada) 3377, 2967, 1745, 1675, 1505, 1201, 968, 731	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₆ H ₃₅ N ₂ O ₉ , 519.2337, encontra 519.2335 [~]	¹ H RMN (400 MHz, CDCl ₃) δ 8.41 (d, <i>J</i> = 7.7 Hz, 1H), 8.28 (d, <i>J</i> = 5.3 Hz, 1H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.88 – 6.77 (m, 4H), 5.88 – 5.69 (m, 2H), 5.04 (t, <i>J</i> = 5.7 Hz, 1H), 4.80 (p, <i>J</i> = 7.2 Hz, 1H), 4.37 (p, <i>J</i> = 6.1 Hz, 1H), 3.91 (s, 3H), 3.76 (s, 3H), 2.19 – 2.09 (m, 1H), 2.07 (s, 3H), 1.58 (d, <i>J</i> = 7.1 Hz, 3H), 1.27 (d, <i>J</i> = 6.3 Hz, 3H), 0.96 (d, <i>J</i> = 7.0 Hz, 3H), 0.93 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.39, 170.24, 163.06, 160.31, 154.25, 151.50, 145.72, 144.03, 142.59, 117.51, 114.72, 109.60, 89.60, 80.15, 73.97, 56.19, 55.69, 48.43, 28.72, 20.86, 19.42, 18.68, 17.06, 15.66.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
273	(Película Delgada) 3376, 2983, 1747, 1674, 1505, 1201, 1003, 734	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₃ H ₂₉ N ₂ O ₉ , 477.1868; encontra 477.1865 [^]	¹ H RMN (400 MHz, CDCl ₃) δ 8.33 (d, <i>J</i> = 7.7 Hz, 1H), 8.27 (d, <i>J</i> = 5.4 Hz, 1H), 6.95 (d, <i>J</i> = 5.4 Hz, 1H), 6.92 – 6.84 (m, 2H), 6.84 – 6.78 (m, 2H), 5.80 – 5.69 (m, 2H), 4.74 (p, <i>J</i> = 7.3 Hz, 1H), 4.49 (pd, <i>J</i> = 6.3, 4.1 Hz, 1H), 4.36 (dd, <i>J</i> = 11.4, 6.6 Hz, 1H), 4.20 (dd, <i>J</i> = 11.4, 4.1 Hz, 1H), 3.91 (s, 3H), 3.76 (s, 3H), 2.07 (s, 3H), 1.49 (d, <i>J</i> = 7.2 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.67, 170.26, 163.07, 160.31, 154.43, 151.72, 145.70, 144.06, 142.43, 117.87, 114.70, 109.62, 89.57, 73.11, 67.71, 56.19, 55.69, 48.14, 20.85, 18.34, 16.86.
274	(Película Delgada) 3387, 2968, 1770, 1676, 1508, 1195, 909, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₂₉ F ₂ N ₂ O ₇ , 495.1937; encontra 495.1935 [^]	¹ H RMN (400 MHz, CDCl ₃) δ 8.55 (d, <i>J</i> = 7.6 Hz, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 6.99 (dq, <i>J</i> = 8.9, 5.7, 5.3 Hz, 2H), 6.70 (ddd, <i>J</i> = 9.7, 6.6, 2.9 Hz, 1H), 6.61 (ddt, <i>J</i> = 8.8, 7.6, 3.2 Hz, 1H), 5.08 (t, <i>J</i> = 5.7 Hz, 1H), 4.76 (p, <i>J</i> = 7.3 Hz, 1H), 4.46 (p, <i>J</i> = 6.1 Hz, 1H), 3.91 (s, 3H), 2.39 (s, 3H), 2.15 – 2.05 (m, 1H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.30 (d, <i>J</i> = 6.2 Hz, 3H), 0.95 (dd, <i>J</i> = 11.9, 6.8 Hz, 6H). ¹⁹ F NMR (376 MHz, CDCl ₃) δ - 116.83 (d, <i>J</i> = 15.1 Hz), -138.18 (dd, <i>J</i> = 15.0, 1.3 Hz).

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C, ¹⁹ F)
275	(Película Delgada) 3387, 2969, 1771, 1676, 1511, 1110, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₀ F ₃ N ₂ O ₇ , 527.2000; encontra 527.1997 ^{ad}	¹ H RMN (400 MHz, CDCl ₃) δ 8.54 (d, <i>J</i> = 7.7 Hz, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.59 – 7.46 (m, 2H), 7.01 (d, <i>J</i> = 5.4 Hz, 1H), 6.92 (d, <i>J</i> = 8.6 Hz, 2H), 5.06 (t, <i>J</i> = 5.8 Hz, 1H), 4.76 (p, <i>J</i> = 7.3 Hz, 1H), 4.57 (p, <i>J</i> = 6.2 Hz, 1H), 3.91 (s, 3H), 2.40 (s, 3H), 2.14 – 2.03 (m, 1H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.31 (d, <i>J</i> = 6.2 Hz, 3H), 0.98 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H). ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 61.54 .
276	(Película Delgada) 3384, 2968, 1770, 1588, 1507, 1140, 733	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₂₉ ClFN ₂ O ₇ , 511.1642; encontra 511.1634 ^{ad}	¹ H RMN (400 MHz, CDCl ₃) δ 8.63 – 8.43 (m, 1H), 8.33 (d, <i>J</i> = 5.5 Hz, 1H), 7.01 (d, <i>J</i> = 5.5 Hz, 1H), 6.73 – 6.61 (m, 2H), 6.50 (dq, <i>J</i> = 10.4, 2.6, 2.2 Hz, 1H), 5.03 (t, <i>J</i> = 5.8 Hz, 1H), 4.75 (p, <i>J</i> = 7.2 Hz, 1H), 4.45 (p, <i>J</i> = 6.1 Hz, 1H), 3.91 (s, 3H), 2.40 (s, 3H), 2.06 (dq, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.56 (d, <i>J</i> = 7.2 Hz, 3H), 1.29 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H). ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 109.97 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
277	(Película Delgada) 3377, 2984, 1769, 1674, 1494, 1173, 907, 730	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₇ H ₂₉ N ₂ O ₇ , 493.1969; encontra 493.1965	¹ H RMN (400 MHz, CDCl ₃) δ 8.55 (s, 1H), 8.30 (d, <i>J</i> = 5.4 Hz, 1H), 7.43 – 7.19 (m, 7H), 6.99 (d, <i>J</i> = 5.3 Hz, 1H), 6.93 (t, <i>J</i> = 7.3 Hz, 1H), 6.89 – 6.83 (m, 2H), 5.95 (d, <i>J</i> = 4.5 Hz, 1H), 4.82 (p, <i>J</i> = 7.3 Hz, 1H), 4.66 (qd, <i>J</i> = 6.3, 4.4 Hz, 1H), 3.90 (s, 3H), 2.41 (s, 3H), 1.50 (d, <i>J</i> = 7.2 Hz, 3H), 1.31 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.52, 168.88, 162.49, 159.49, 157.68, 146.64, 141.52, 137.57, 136.75, 129.49, 128.33, 128.23, 127.14, 121.37, 116.45, 109.80, 78.16, 76.12, 56.28, 47.96, 20.75, 18.39, 15.31.
278	(Película Delgada) 2940, 1770, 1676, 1495, 1193, 908, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₇ H ₂₉ N ₂ O ₇ , 493.1969; encontra 493.1963	¹ H RMN (400 MHz, CDCl ₃) δ 8.48 (d, <i>J</i> = 8.1 Hz, 1H), 8.29 (d, <i>J</i> = 5.4 Hz, 1H), 7.42 – 7.20 (m, 7H), 7.03 – 6.90 (m, 4H), 5.95 (d, <i>J</i> = 6.9 Hz, 1H), 4.70 (dp, <i>J</i> = 15.4, 6.8, 6.4 Hz, 2H), 3.90 (s, 3H), 2.39 (s, 3H), 1.42 (d, <i>J</i> = 7.2 Hz, 3H), 1.15 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 171.66, 168.88, 162.39, 159.47, 158.04, 146.62, 136.50, 129.54, 128.52, 128.46, 128.10, 127.42, 127.39, 121.26, 116.18, 109.75, 78.93, 75.43, 56.28, 47.90, 20.74, 18.32, 16.16.

No. Comp	IR (cm ⁻¹)	MASA	NM ^{RMN} (¹ H, ¹³ C O ¹⁹ F)
279	(Película Delgada) 2988, 1771, 1676, 1493, 1179, 1040, 910, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₇ N ₂ O ₇ , 431.1813 encontra 431.1809	¹ H RMN (400 MHz, CDCl ₃) δ 8.50 (d, <i>J</i> = 7.9 Hz, 1H), 8.31 (d, <i>J</i> = 5.4 Hz, 1H), 7.32 – 7.19 (m, 2H), 7.00 (d, <i>J</i> = 5.5 Hz, 1H), 6.98 – 6.87 (m, 3H), 5.09 (qd, <i>J</i> = 6.4, 4.3 Hz, 1H), 4.68 (p, <i>J</i> = 7.3 Hz, 1H), 4.43 (qd, <i>J</i> = 6.3, 4.3 Hz, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 1.47 (d, <i>J</i> = 7.2 Hz, 3H), 1.34 (d, <i>J</i> = 6.5 Hz, 3H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.07, 168.88, 162.47, 159.48, 157.88, 146.66, 141.59, 137.53, 129.51, 121.24, 116.38, 109.78, 75.51, 73.82, 56.28, 48.07, 20.74, 18.42, 15.75, 15.14.
280	(Película Delgada) 3380, 2967, 1771, 1676, 1478, 1197, 736	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₂₉ Cl ₂ N ₂ O ₇ , 527.1346, encontra 527.1344	¹ H RMN (400 MHz, CDCl ₃) δ 8.56 (d, <i>J</i> = 7.9 Hz, 1H), 8.31 (d, <i>J</i> = 5.4 Hz, 1H), 7.34 (d, <i>J</i> = 2.6 Hz, 1H), 7.15 (dd, <i>J</i> = 8.8, 2.6 Hz, 1H), 7.00 (d, <i>J</i> = 5.4 Hz, 1H), 6.86 (d, <i>J</i> = 8.8 Hz, 1H), 5.09 (t, <i>J</i> = 5.7 Hz, 1H), 4.77 (p, <i>J</i> = 7.3 Hz, 1H), 4.49 (p, <i>J</i> = 6.1 Hz, 1H), 3.90 (s, 3H), 2.39 (s, 3H), 2.15 – 2.06 (m, 1H), 1.56 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H), 0.97 (d, <i>J</i> = 6.8 Hz, 3H), 0.92 (d, <i>J</i> = 6.8 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.23, 168.85, 162.49, 159.50, 151.86, 146.67, 141.55, 137.55, 130.28, 127.53, 126.32, 125.24, 116.30, 109.81, 79.60, 74.79, 56.29, 48.22, 28.73, 20.73, 19.30, 18.60, 17.43, 15.08.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
281	(Película Delgada) 3380, 2967, 1771, 1676, 1508, 1195, 909, 735	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₄ H ₃₀ ClN ₂ O ₇ , 493.1736; encontra 493.1733	¹ H RMN (400 MHz, CDCl ₃) δ 8.55 (d, <i>J</i> = 7.3 Hz, 1H), 8.33 (d, <i>J</i> = 5.4 Hz, 1H), 7.30 – 7.23 (m, 1H), 7.17 (t, <i>J</i> = 8.1 Hz, 1H), 7.01 (t, <i>J</i> = 5.6 Hz, 1H), 6.96 – 6.83 (m, 2H), 6.75 (ddd, <i>J</i> = 8.4, 2.5, 0.9 Hz, 1H), 5.04 (t, <i>J</i> = 5.8 Hz, 1H), 4.76 (p, <i>J</i> = 7.3 Hz, 1H), 4.51 – 4.44 (m, 1H), 3.91 (s, 3H), 2.40 (s, 2H), 2.13 – 2.03 (m, 1H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.28 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.21, 168.86, 162.48, 159.50, 158.17, 146.66, 137.56, 134.90, 130.31, 129.52, 121.26, 116.21, 114.16, 109.79, 79.80, 73.04, 56.28, 48.23, 28.73, 20.72, 19.30, 18.64, 17.11, 15.27.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
282	(Película Delgada) 3387, 2967, 1771, 1677, 1506, 1199, 910, 737	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₅ H ₃₃ N ₂ O ₈ , 489.2231; encontra 489.2230 ^{da}	¹ H _{RMN} (400 MHz, CDCl ₃) δ 8.57 (d, <i>J</i> = 7.3 Hz, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.00 (d, <i>J</i> = 5.4 Hz, 1H), 6.86 – 6.76 (m, 4H), 5.03 (t, <i>J</i> = 5.7 Hz, 1H), 4.76 (p, <i>J</i> = 7.2 Hz, 1H), 4.36 (p, <i>J</i> = 6.1 Hz, 1H), 3.90 (s, 3H), 3.75 (s, 3H), 2.39 (s, 3H), 2.17 – 2.06 (m, 1H), 1.56 (d, <i>J</i> = 7.1 Hz, 3H), 1.25 (d, <i>J</i> = 6.2 Hz, 3H), 0.93 (dd, <i>J</i> = 13.1, 6.8 Hz, 6H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 172.25, 168.86, 162.48, 159.50, 154.24, 151.49, 146.68, 141.59, 137.54, 117.52, 114.71, 109.80, 80.13, 73.95, 56.28, 55.68, 48.28, 28.72, 20.73, 19.38, 18.73, 17.10, 15.56.
283	(Película Delgada) 3378, 2941, 1770, 1675, 1505, 1198, 829, 737	HRMS-ESI (<i>m/z</i>) ([M+H] ⁺) calcd po C ₂₂ H ₂₇ N ₂ O ₈ , 447.1762; encontra 447.1754 ^{da}	¹ H _{RMN} (400 MHz, CDCl ₃) δ 8.50 (d, <i>J</i> = 7.9 Hz, 1H), 8.32 (d, <i>J</i> = 5.4 Hz, 1H), 7.00 (d, <i>J</i> = 5.4 Hz, 1H), 6.87 (td, <i>J</i> = 6.3, 2.5 Hz, 2H), 6.83 – 6.76 (m, 2H), 4.73 (p, <i>J</i> = 7.3 Hz, 1H), 4.48 (pd, <i>J</i> = 6.4, 4.2 Hz, 1H), 4.36 (dd, <i>J</i> = 11.4, 6.5 Hz, 1H), 4.18 (dd, <i>J</i> = 11.4, 4.2 Hz, 1H), 3.90 (s, 3H), 3.76 (s, 3H), 2.39 (s, 3H), 1.47 (d, <i>J</i> = 7.1 Hz, 3H), 1.30 (d, <i>J</i> = 6.4 Hz, 3H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 172.55, 168.87, 162.49, 159.49, 154.43, 151.73, 146.65, 141.51, 137.55, 117.88, 114.71, 109.81, 73.09, 67.71, 56.29, 55.70, 47.92, 20.74, 18.47, 16.89.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
285	(Película Delgada) 3370, 2978, 1709, 1493, 1239, 1160, 751, 693	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₂₄ H ₃₁ NNaO ₅ , 436.2094, encontra 436.2066	¹ H RMN (400 MHz, CDCl ₃) δ 7.30 – 7.23 (m, 4H), 7.23 – 7.17 (m, 3H), 6.98 – 6.91 (m, 1H), 6.85 (d, <i>J</i> = 8.1 Hz, 2H), 5.33 (dt, <i>J</i> = 9.1, 4.7 Hz, 1H), 4.92 (d, <i>J</i> = 7.8 Hz, 1H), 4.55 – 4.40 (m, 1H), 4.21 (p, <i>J</i> = 7.3 Hz, 1H), 3.11 (dd, <i>J</i> = 14.3, 4.6 Hz, 1H), 2.98 (dd, <i>J</i> = 14.3, 8.8 Hz, 1H), 1.42 (s, 9H), 1.35 (d, <i>J</i> = 6.3 Hz, 3H), 1.10 (d, <i>J</i> = 7.2 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.66, 157.53, 154.96, 136.84, 129.54, 129.43, 128.39, 126.65, 121.28, 116.20, 79.70, 76.94, 74.12, 49.30, 36.29, 28.32, 18.40, 15.72.
286	(Película Delgada) 3369, 2980, 1705, 1492, 1238, 1160, 733	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₉ H ₂₇ NNaO ₅ , 372.1781, encontra 372.1752	¹ H RMN (400 MHz, CDCl ₃) δ 7.32 – 7.22 (m, 2H), 6.95 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.92 – 6.88 (m, 2H), 5.94 (ddd, <i>J</i> = 17.3, 10.6, 6.6 Hz, 1H), 5.47 – 5.28 (m, 3H), 5.01 (d, <i>J</i> = 8.0 Hz, 1H), 4.52 (qd, <i>J</i> = 6.4, 3.8 Hz, 1H), 4.32 (t, <i>J</i> = 7.6 Hz, 1H), 1.44 (s, 9H), 1.35 (d, <i>J</i> = 7.2 Hz, 3H), 1.32 (d, <i>J</i> = 6.4 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.27, 157.82, 155.07, 132.06, 129.52, 121.41, 119.41, 116.52, 79.75, 77.31, 75.06, 49.39, 28.34, 18.51, 15.56.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C O ¹⁹ F)
287	(Película Delgada) 3364, 2980, 1710, 1493, 1240, 1162, 1067, 752	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₉ H ₂₇ NNaO ₅ , 372.1781; encontra 372.1761	¹ H ^{RMN} (400 MHz, CDCl ₃) δ 7.31 – 7.21 (m, 2H), 6.98 – 6.88 (m, 3H), 5.89 (ddd, <i>J</i> = 17.2, 10.6, 6.3 Hz, 1H), 5.49 (tt, <i>J</i> = 6.3, 1.2 Hz, 1H), 5.45 – 5.29 (m, 2H), 5.07 (d, <i>J</i> = 7.9 Hz, 1H), 4.49 (p, <i>J</i> = 6.2 Hz, 1H), 4.39 – 4.25 (m, 1H), 1.43 (s, 9H), 1.29 (app t, <i>J</i> = 6.6 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.52, 157.70, 155.01, 131.81, 129.56, 121.21, 119.51, 115.85, 79.77, 76.85, 74.01, 49.38, 28.33, 18.70, 15.67.
288	(Película Delgada) 3356, 2976, 1711, 1496, 1206, 1164	ESIMS <i>m/z</i> 420.3 ([M+Na] ⁺)	¹ H ^{RMN} (400 MHz, CDCl ₃) δ 6.81 (ddd, <i>J</i> = 21.3, 8.6, 3.1 Hz, 2H), 6.72 (dd, <i>J</i> = 8.9, 4.6 Hz, 1H), 5.08 (d, <i>J</i> = 7.5 Hz, 1H), 4.97 (t, <i>J</i> = 5.7 Hz, 1H), 4.46 (p, <i>J</i> = 6.1 Hz, 1H), 4.35 (t, <i>J</i> = 7.5 Hz, 1H), 2.20 – 2.06 (m, 4H), 1.43 (s, 9H), 1.29 (d, <i>J</i> = 7.2 Hz, 3H), 1.22 (d, <i>J</i> = 6.3 Hz, 3H), 0.96 (app dd, <i>J</i> = 6.8, 5.6 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 173.21, 156.78 (d, <i>J</i> = 238.1 Hz), 155.02, 151.54 (d, <i>J</i> = 2.2 Hz), 129.59 (d, <i>J</i> = 7.6 Hz), 117.53 (d, <i>J</i> = 22.7 Hz), 112.71 (d, <i>J</i> = 8.4 Hz), 112.36 (d, <i>J</i> = 22.7 Hz), 80.85, 79.72, 73.52, 49.41, 28.66, 28.31, 19.40, 18.71, 17.26, 16.42 (d, <i>J</i> = 1.2 Hz), 15.84. ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 124.33 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
289	(Película Descargada) 3347, 2977, 1710, 1496, 1207, 1165, 736	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd por C ₂₁ H ₃₂ FNNaO ₅ , 420.2157; encontrado 420.2156	¹ H RMN (400 MHz, CDCl ₃) δ 6.88 – 6.75 (m, 2H), 6.71 (dd, <i>J</i> = 8.9, 4.6 Hz, 1H), 5.16 – 4.98 (m, 2H), 4.50 – 4.27 (m, 2H), 2.14 (s, 3H), 2.08 (dt, <i>J</i> = 13.4, 6.7 Hz, 1H), 1.48 – 1.41 (m, 12H), 1.26 (d, <i>J</i> = 6.2 Hz, 3H), 0.97 (d, <i>J</i> = 6.9 Hz, 3H), 0.93 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.98, 156.94 (d, <i>J</i> = 238.5 Hz), 155.06, 151.40 (d, <i>J</i> = 2.2 Hz), 129.85 (d, <i>J</i> = 7.7 Hz), 117.60 (d, <i>J</i> = 22.7 Hz), 113.27 (d, <i>J</i> = 8.5 Hz), 112.39 (d, <i>J</i> = 22.7 Hz), 80.02, 79.79, 73.29, 49.52, 28.87, 28.35, 19.33, 18.93, 17.45, 16.55, 15.06. ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 124.10 .

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
290	(Película Delgada) 3358, 2979, 1705, 1495, 1203, 1159, 1068	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd: po C ₁₈ H ₂₆ FNNaO ₅ , 378.1687; encontra 378.1683	¹ H RMN (400 MHz, CDCl ₃) δ 6.88 – 6.77 (m, 3H), 5.00 (d, <i>J</i> = 7.3 Hz, 1H), 4.50 (pd, <i>J</i> = 6.3, 4.0 Hz, 1H), 4.41 – 4.25 (m, 2H), 4.19 (dd, <i>J</i> = 11.4, 4.1 Hz, 1H), 2.19 (s, 3H), 1.44 (s, 9H), 1.33 (app t, <i>J</i> = 6.9 Hz, 6H). ¹³ C RMN (101 MHz, CDCl ₃) δ 173.21, 157.24 (d, <i>J</i> = 239.0 Hz), 155.06, 151.87 (d, <i>J</i> = 2.3 Hz), 130.10 (d, <i>J</i> = 7.6 Hz), 117.48 (d, <i>J</i> = 22.6 Hz), 114.96 (d, <i>J</i> = 8.6 Hz), 112.59 (d, <i>J</i> = 22.8 Hz), 79.90, 73.04, 67.63, 49.26, 28.33, 18.55, 16.88, 16.41. ¹⁹ F RMN (376 MHz, CDCl ₃) δ - 123.30 .
291	(Película Delgada) 3372, 2975, 1712, 1509, 1238, 1164, 910, 735	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd: po C ₂₁ H ₃₃ NNaO ₅ , 402.2251; encontra 402.2217	¹ H RMN (400 MHz, CDCl ₃) δ 7.06 (dd, <i>J</i> = 8.9, 2.8 Hz, 2H), 6.80 – 6.74 (m, 2H), 5.09 (d, <i>J</i> = 8.0 Hz, 1H), 4.93 (t, <i>J</i> = 5.8 Hz, 1H), 4.46 (p, <i>J</i> = 6.2 Hz, 1H), 4.35 (q, <i>J</i> = 7.3 Hz, 1H), 2.27 (d, <i>J</i> = 2.3 Hz, 3H), 2.11 (h, <i>J</i> = 6.6 Hz, 1H), 1.44 (d, <i>J</i> = 5.9 Hz, 9H), 1.31 (d, <i>J</i> = 7.2 Hz, 3H), 1.23 (d, <i>J</i> = 6.3 Hz, 3H), 0.95 (d, <i>J</i> = 5.2 Hz, 3H), 0.94 (d, <i>J</i> = 5.1 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 173.37, 155.61, 130.25, 129.97, 115.95, 115.64, 80.93, 79.68, 73.25, 49.43, 28.60, 28.35, 20.45, 19.44, 18.89, 17.27, 15.95.

No. Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
292	(Película Delgada) 3371, 2975, 1711, 1508, 1236, 1163, 1064, 733	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₂₁ H ₃₃ NNaO ₅ , 402.2251; encuentra 402.2275	¹ H _{RMN} (400 MHz, CDCl ₃) δ 7.06 (d, <i>J</i> = 8.3 Hz, 2H), 6.80 – 6.74 (m, 2H), 5.09 (d, <i>J</i> = 8.0 Hz, 1H), 5.01 (t, <i>J</i> = 5.8 Hz, 1H), 4.44 (p, <i>J</i> = 6.2 Hz, 1H), 4.35 (q, <i>J</i> = 7.3 Hz, 1H), 2.27 (s, 3H), 2.16 – 2.05 (m, 1H), 1.45 (s, 9H), 1.43 (d, <i>J</i> = 7.2 Hz, 3H), 1.27 (d, <i>J</i> = 6.2 Hz, 3H), 0.94 (d, <i>J</i> = 6.9 Hz, 3H), 0.91 (d, <i>J</i> = 6.7 Hz, 3H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 172.91, 155.32, 155.08, 130.42, 129.99, 115.95, 79.92, 79.73, 72.91, 49.59, 28.72, 28.35, 20.48, 19.35, 18.85, 17.08, 15.55.
293	(Película Delgada) 3362, 2979, 1702, 1508, 1233, 1161, 1067, 735	ESIMS <i>m/z</i> 360.3 ([M+Na] ⁺)	¹ H _{RMN} (400 MHz, CDCl ₃) δ 7.07 (d, <i>J</i> = 8.3 Hz, 2H), 6.85 – 6.79 (m, 2H), 5.02 (d, <i>J</i> = 7.9 Hz, 1H), 4.55 (pd, <i>J</i> = 6.3, 4.1 Hz, 1H), 4.40 – 4.22 (m, 2H), 4.16 (dd, <i>J</i> = 11.4, 4.2 Hz, 1H), 2.28 (s, 3H), 1.44 (s, 9H), 1.37 – 1.29 (m, 6H). ¹³ C _{RMN} (101 MHz, CDCl ₃) δ 173.21, 155.57, 155.07, 130.70, 130.00, 116.23, 79.84, 72.03, 67.62, 49.28, 28.34, 20.48, 18.62, 16.79.

No . Comp	IR (cm ⁻¹)	MASA	RMN (¹ H, ¹³ C o ¹⁹ F)
294	(Película Delgada) 3365, 2976, 1711, 1493, 1239, 1161, 1057, 751, 692	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₉ H ₂₉ NNaO ₅ , 374.1938; encontra 374.1948	¹ H RMN (400 MHz, CDCl ₃) δ 7.33 – 7.21 (m, 2H), 6.94 (tt, <i>J</i> = 7.4, 1.1 Hz, 1H), 6.91 – 6.85 (m, 2H), 5.02 (dt, <i>J</i> = 8.6, 4.5 Hz, 2H), 4.45 (qd, <i>J</i> = 6.3, 4.6 Hz, 1H), 4.32 (q, <i>J</i> = 7.5 Hz, 1H), 1.84 – 1.67 (m, 2H), 1.45 (s, 9H), 1.38 (d, <i>J</i> = 7.2 Hz, 3H), 1.30 (d, <i>J</i> = 6.3 Hz, 3H), 0.93 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 172.98, 157.82, 155.06, 129.52, 121.21, 116.26, 79.73, 77.98, 74.52, 49.53, 28.34, 22.93, 18.71, 15.71, 9.79.
295	(Película Delgada) 3362, 2976, 1711, 1493, 1240, 1162, 1066, 752, 692	HRMS-ESI (<i>m/z</i>) ([M+Na] ⁺) calcd po C ₁₉ H ₂₉ NNaO ₅ , 374.1938; encontra 374.1948	¹ H RMN (400 MHz, CDCl ₃) δ 7.31 – 7.22 (m, 2H), 6.98 – 6.85 (m, 3H), 5.14 – 5.01 (m, 2H), 4.51 – 4.40 (m, 1H), 4.38 – 4.24 (m, 1H), 1.84 – 1.61 (m, 2H), 1.44 (s, 9H), 1.31 (d, <i>J</i> = 7.2 Hz, 3H), 1.27 (d, <i>J</i> = 6.4 Hz, 3H), 0.94 (t, <i>J</i> = 7.4 Hz, 3H). ¹³ C RMN (101 MHz, CDCl ₃) δ 173.29, 157.79, 155.07, 129.55, 121.03, 115.70, 79.75, 77.56, 73.54, 49.42, 28.35, 22.70, 18.79, 15.50, 9.70.

Tabla 1. Estructura de Compuesto, Método de Preparación, y Apariencia

*Cmpd. No.	Structure	As Prepared According To	Appearance
1		Example 1B; Example 2, Example 3C; Example 4B; Example 5B; Example 6B; Example 10A; Example 11.	Clear, Colorless Oil
2		Example 1B; Example 2, Example 3C; Example 4B; Example 5B; Example 6B; Example 10A; Example 11; Example 12B.	Clear, Colorless Oil
3		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
4		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil

Ejemplo

*Cmpd. No.	Structure	As Prepared According To	Appearance
5		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
6		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
7		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
8		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
9		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
10		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil

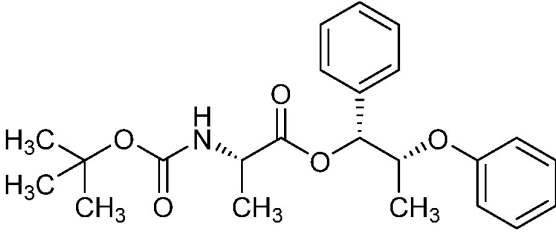
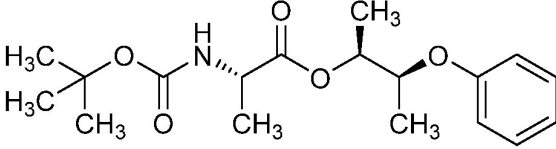
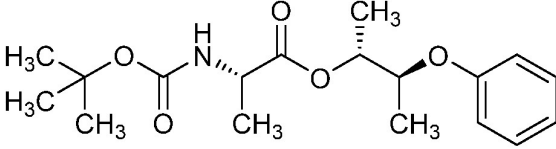
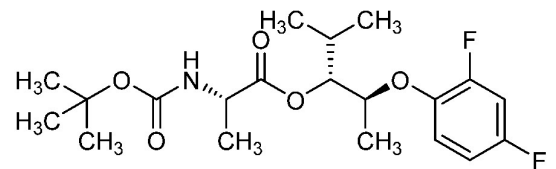
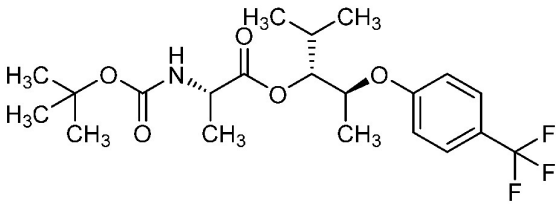
Ejemplo
1A;
Ejemplo
3A,
Ejemplo

Aceite
Transparen
te
Incoloro

*Cmpd. No.	Structure	As Prepared According To	Appearance
11		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
12		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
13		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
14		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
15		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
17		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
18		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
19		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
20		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
21		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil

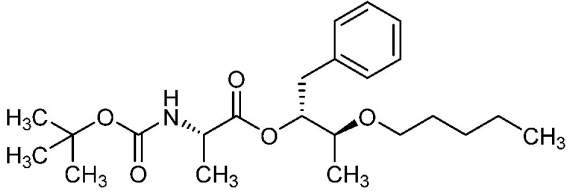
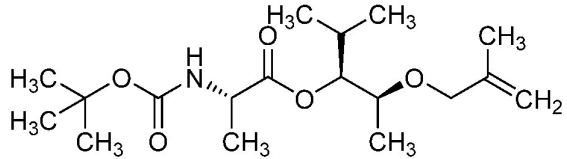
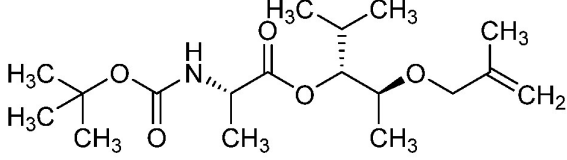
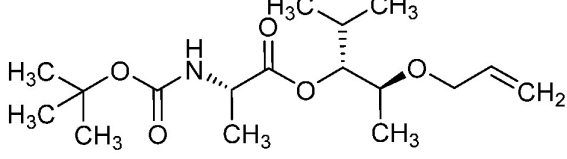
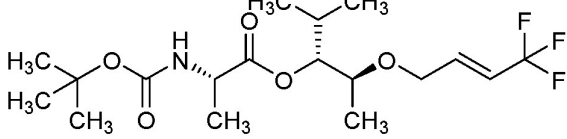
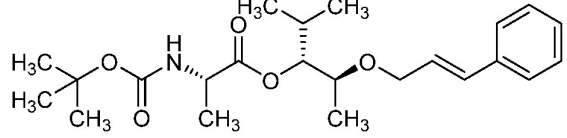
*Cmpd. No.	Structure	As Prepared According To	Appearance
22		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
23		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
24		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
25		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
26		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
27		Example 4C; Example 5C; Example 6A; Example 10B; Example 11.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
28		Example 4C; Example 5C; Example 6A; Example 10B; Example 11.	Clear, Colorless Oil
29		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
30		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
31		Example 1D; Example 3A; Example 4A; Example 5A; Example 6B; Example 10C; Example 11.	Clear, Colorless Oil
32		Example 1D; Example 3A; Example 4A; Example 5A; Example 6B; Example 10C; Example 11.	Clear, Colorless Oil

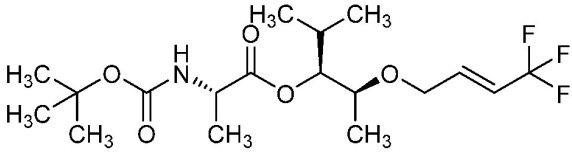
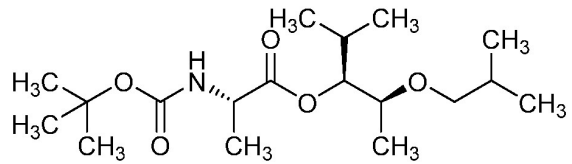
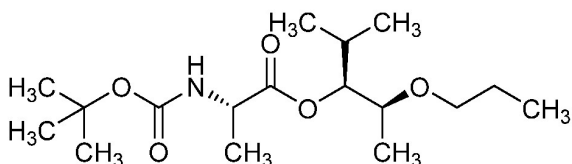
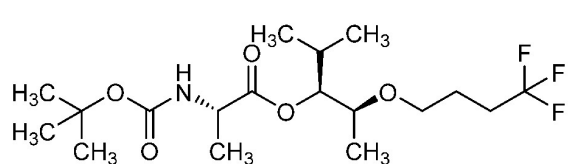
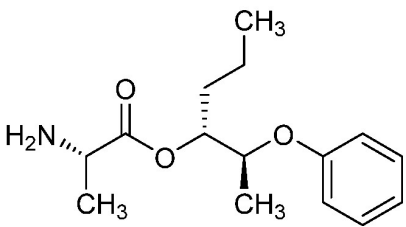
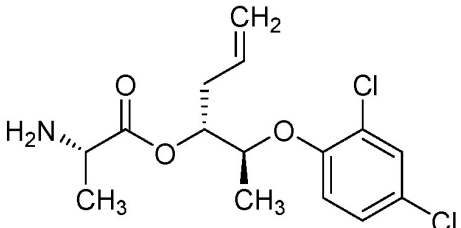
*Cmpd. No.	Structure	As Prepared According To	Appearance
33		Example 1D; Example 3A; Example 4A; Example 5A; Example 6B; Example 10C; Example 11.	Clear, Colorless Oil
34		Example 1D; Example 3A; Example 4A; Example 5A; Example 6B; Example 10C; Example 11.	Clear, Colorless Oil
35		Example 1D; Example 3A; Example 4A; Example 5A; Example 6B; Example 10C; Example 11.	Clear, Colorless Oil
36		Example 1D; Example 3A; Example 4A; Example 5A; Example 6B; Example 10C; Example 11.	Clear, Colorless Oil

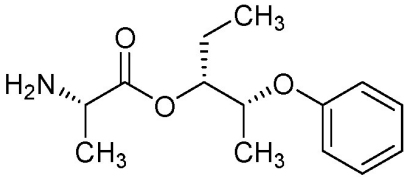
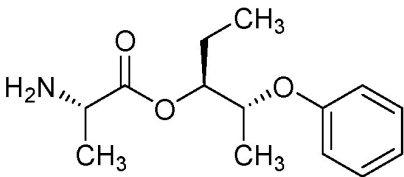
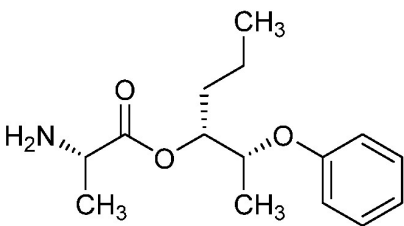
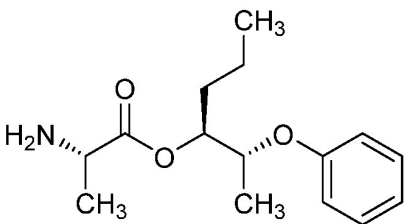
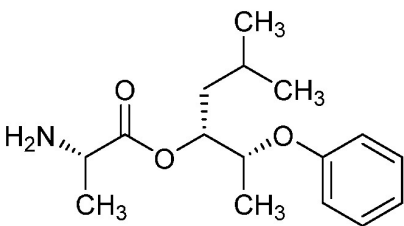
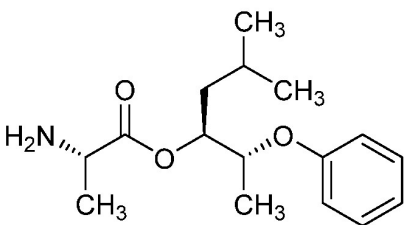
*Cmpd. No.	Structure	As Prepared According To	Appearance
37		Example 1D; Example 3A; Example 4A; Example 5A; Example 6B; Example 10C; Example 11.	Clear, Colorless Oil
38		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
39		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
40		Example 1A; Example 3A; Example 11.	Clear, Colorless Oil
41		Example 1A; Example 3A; Example 11.	Clear Colorless Oil
42		Example 1A; Example 3A; Example 11.	Clear Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
43		Example 1A; Example 3A; Example 11.	Clear Colorless Oil
44		Example 1A; Example 3A; Example 11.	Clear Colorless Oil
45		Example 1A; Example 3A; Example 11.	Clear Colorless Oil
46		Example 1D; Example 5C; Example 6C; Example 10A; Example 11.	Colorless Oil
47		Example 1D; Example 5C; Example 6C; Example 10A; Example 11.	Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
48		Example 1D; Example 5C; Example 6C; Example 10A; Example 11.	Colorless Oil
49		Example 1C; Example 3A; Example 11.	Colorless Oil
50		Example 1C; Example 3A; Example 11.	Colorless Oil
51		Example 1C; Example 3A; Example 11.	Colorless Oil
52		Example 1C; Example 3A; Example 11.	Colorless Oil
53		Example 1C; Example 3A; Example 11.	Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
54		Example 1D; Example 5C; Example 6C; Example 10A; Example 11; Example 12A.	Colorless Oil
55		Example 1C; Example 3A; Example 11; Example 12A.	Colorless Oil
56		Example 1C; Example 3A; Example 11; Example 12A.	Colorless Oil
57		Example 1C; Example 3A; Example 11; Example 12A.	Colorless Oil
58		Example 1C; Example 3A; Example 11; Example 12A.	Colorless Oil
59		Example 1C; Example 3A; Example 11.	Thick Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
60		Example 1C; Example 3A; Example 11.	Colorless Oil
61		Example 1C; Example 3A; Example 11; Example 12A.	Colorless Oil
62		Example 1C; Example 3A; Example 11; Example 12A.	Colorless Oil
63		Example 1C; Example 3A; Example 11; Example 12A.	Colorless Oil
64		Example 13A, Step 1.	Clear, Colorless Oil
65		Example 13B, Step 1.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
66		Example 13A, Step 1.	Clear, Colorless Oil
67		Example 13A, Step 1.	Pale Yellow Oil
68		Example 13A, Step 1.	Clear, Colorless Oil
69		Example 13A, Step 1.	White Semisolid
70		Example 13A, Step 1.	Clear, Colorless Oil
71		Example 13A, Step 1.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
72		Example 13A, Step 1.	White Semisolid
73		Example 13A, Step 1.	White Semisolid
74		Example 13A, Step 1.	White Semisolid
75		Example 13A, Step 1.	Clear, Colorless Oil
76		Example 13A, Step 1.	Clear, Colorless Oil
77		Example 13A, Step 1.	White Solid

*Cmpd. No.	Structure	As Prepared According To	Appearance
78		Example 13A, Step 1.	White Solid
79		Example 13A, Step 1.	Clear, Colorless Oil
80		Example 13A, Step 1.	Clear, Colorless Oil
81		Example 13A, Step 1.	White Solid

*Cmpd. No.	Structure	As Prepared According To	Appearance
82		Example 13A, Step 1.	White Solid
83		Example 13A, Step 1.	White Solid
84		Example 13A, Step 1.	Pale Yellow Oil
85		Example 13A, Step 1.	White Semisolid
86		Example 13A, Step 1.	White Solid

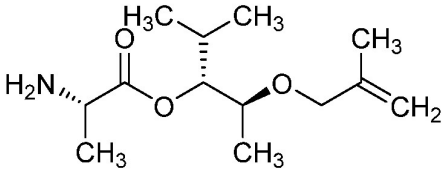
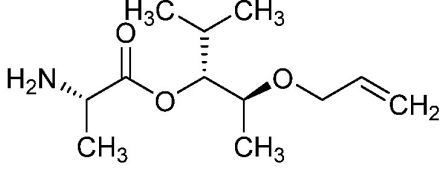
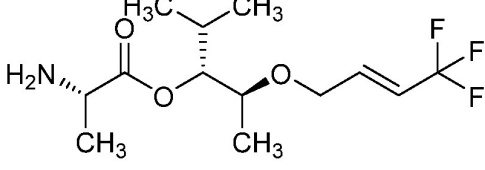
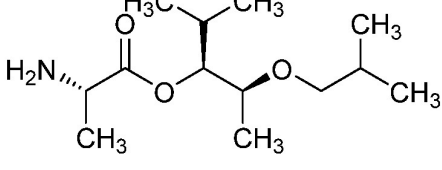
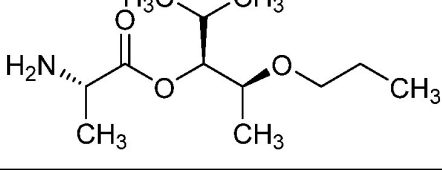
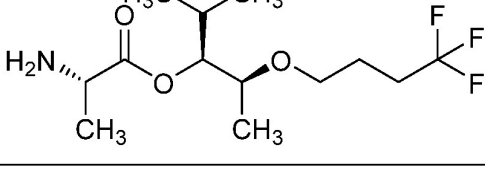
*Cmpd. No.	Structure	As Prepared According To	Appearance
87		Example 13A, Step 1.	Pale Yellow Oil
88		Example 13A, Step 1.	Pale Yellow Oil
89		Example 13A, Step 1.	White Semisolid
90		Example 13A, Step 1.	Clear, Colorless Oil
91		Example 13A, Step 1.	Clear, Colorless Oil
92		Example 13A, Step 1.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
93		Example 13A, Step 1.	Clear, Colorless Oil
94		Example 13A, Step 1.	White Semisolid
95		Example 13A, Step 1.	Clear, Colorless Oil
96		Example 13A, Step 1.	White Semisolid
97		Example 13A, Step 1.	Clear, Colorless Oil
98		Example 13A, Step 1.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
99		Example 13A, Step 1.	Clear, Colorless Oil
100		Example 13A, Step 1.	White Semisolid
101		Example 13A, Step 1.	White Powdery Solid
102		Example 13A, Step 1.	White Powdery Solid
103		Example 13A, Step 1.	White Powdery Solid
104		Example 13A, Step 1.	Pale Yellow Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
105		Example 13A, Step 1.	Pale Yellow Oil
106		Example 13A, Step 1.	Pale Yellow Oil
107		Example 13A, Step 1.	Pale Yellow Oil
108		Example 13A, Step 1.	Yellow Liquid
109		Example 13A, Step 1.	Thick Oil

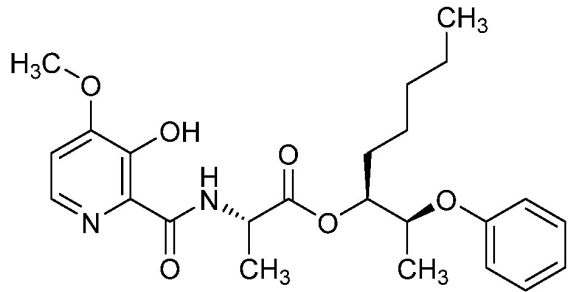
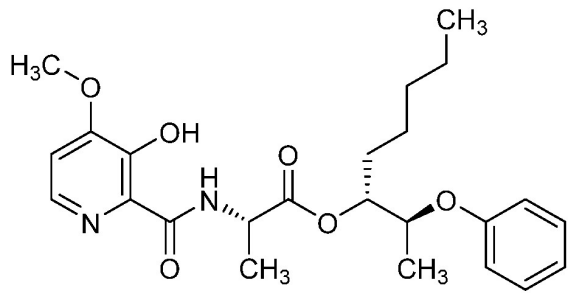
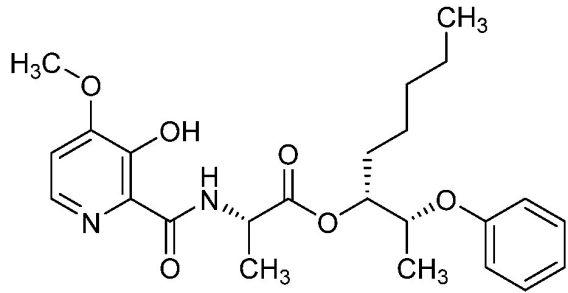
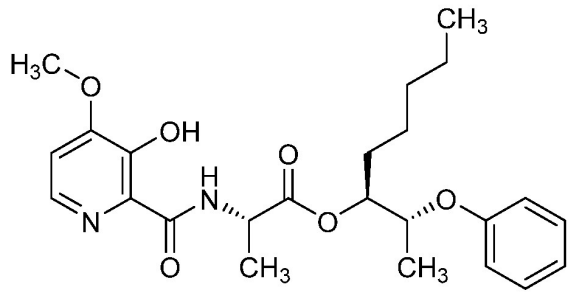
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110		Example 13A, Step 1.	Thick Oil
111		Example 13A, Step 1.	Thick Oil
112		Example 13A, Step 1.	White Solid
113		Example 13A, Step 1.	Thick Oil
114		Example 13A, Step 1.	White Solid
115		Example 13A, Step 1.	Thick Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
116		Example 13B, Step 1.	Thick Oil
117		Example 13B, Step 1.	Thick Oil
118		Example 13B, Step 1.	Thick Oil
119		Example 13A, Step 1.	White Solid
120		Example 13A, Step 1.	White Solid
121		Example 13A, Step 1.	White Solid

*Cmpd. No.	Structure	As Prepared According To	Appearance
122		Example 13A, Step 2.	Clear, Colorless Oil
123		Example 13B, Step 2.	Clear, Colorless Oil
124		Example 13A, Step 2.	Clear, Colorless Oil
125		Example 13A, Step 2.	Clear, Colorless Oil
126		Example 13A, Step 2.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
127		Example 13A, Step 2.	Clear, Colorless Oil
128		Example 13A, Step 2.	Clear, Colorless Oil
129		Example 13A, Step 2.	Clear, Colorless Oil
130		Example 13A, Step 2.	Clear, Colorless Oil
131		Example 13A, Step 2.	White Powdery Solid

*Cmpd. No.	Structure	As Prepared According To	Appearance
132		Example 13A, Step 2.	Clear, Colorless Oil
133		Example 13A, Step 2.	Clear, Colorless Oil
134		Example 13A, Step 2.	Clear, Colorless Oil
135		Example 13A, Step 2.	Clear, Colorless Oil
136		Example 13A, Step 2.	Clear, Colorless Oil

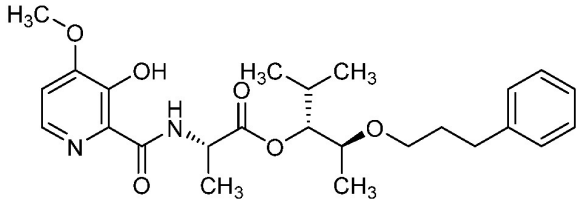
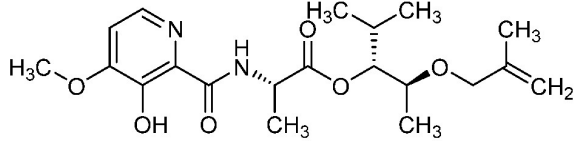
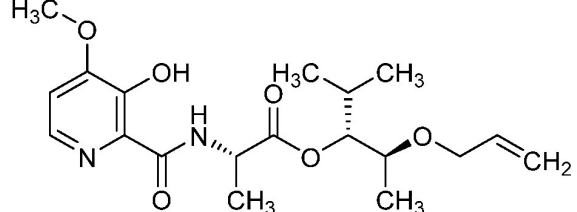
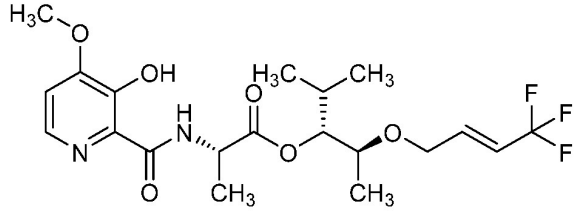
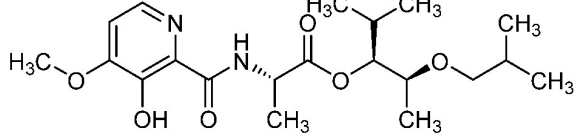
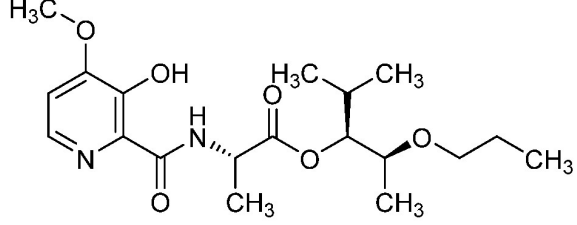
*Cmpd. No.	Structure	As Prepared According To	Appearance
137		Example 13A, Step 2.	Clear, Colorless Oil
138		Example 13A, Step 2.	Clear, Colorless Oil
139		Example 13A, Step 2.	Clear, Colorless Oil
140		Example 13A, Step 2.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
141		Example 13A, Step 2.	Clear, Colorless Oil
142		Example 13A, Step 2.	Clear, Colorless Oil
143		Example 13A, Step 2.	Clear, Colorless Oil
144		Example 13A, Step 2.	Clear, Colorless Oil
145		Example 13A, Step 2.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
146		Example 13A, Step 2.	Clear, Colorless Oil
147		Example 13A, Step 2.	Clear, Colorless Oil
148		Example 13A, Step 2.	Pale Yellow Oil
149		Example 13A, Step 2.	Clear, Colorless Oil
153		Example 13A, Step 2.	Orange-Brown Liquid

*Cmpd. No.	Structure	As Prepared According To	Appearance
154		Example 13A, Step 2.	Yellow Liquid
155		Example 13A, Step 2.	Yellow Orange Liquid
156		Example 13A, Step 2.	Dark Green Liquid
157		Example 13A, Step 2.	Orange Liquid
158		Example 13A, Step 2.	Thick Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
159		Example 13A, Step 2.	Thick Oil
160		Example 13A, Step 2.	Thick Oil
161		Example 13A, Step 2.	Thick Oil
162		Example 13A, Step 2.	Thick Oil
163		Example 13A, Step 2.	Thick Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
164		Example 13A, Step 2.	Thick Oil
165		Example 13B, Step 2.	Thick Oil
166		Example 13B, Step 2.	Thick Oil
167		Example 13B, Step 2.	Thick Oil
168		Example 13A, Step 2.	Thick Oil
169		Example 13A, Step 2.	Thick Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
170		Example 13A, Step 2.	Thick Oil
171		Example 13A, Step 2.	Clear, Colorless Oil
172		Example 13A, Step 2.	Clear, Colorless Oil
173		Example 13A, Step 2.	Clear, Colorless Oil
174		Example 13A, Step 2.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
175		Example 13A, Step 2.	Clear, Colorless Oil
176		Example 13A, Step 2.	Clear, Colorless Oil
177		Example 13A, Step 2.	Clear, Colorless Oil
178		Example 13A, Step 2.	Clear, Colorless Oil
179		Example 13A, Step 2.	Clear, Colorless Oil

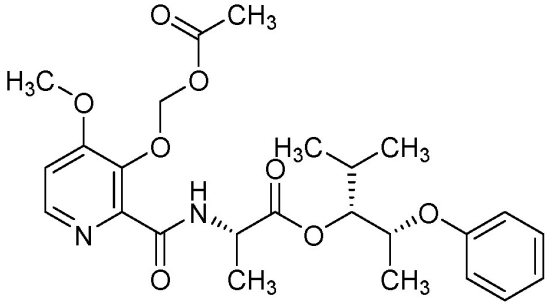
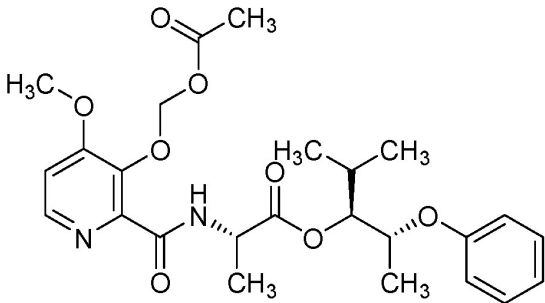
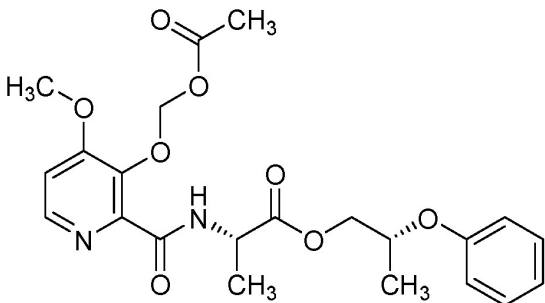
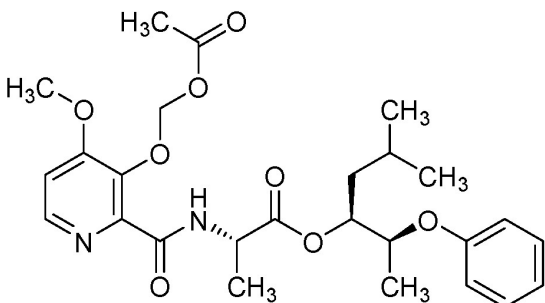
*Cmpd. No.	Structure	As Prepared According To	Appearance
180		Example 13A, Step 2.	Clear, Colorless Oil
181		Example 13A, Step 2.	Clear, Colorless Oil
182		Example 13A, Step 2.	Clear, Colorless Oil
183		Example 13A, Step 2.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
184		Example 13A, Step 2.	Clear, Colorless Oil
185		Example 14A.	Pale Yellow Oil
186		Example 14B.	Pale Yellow Oil
187		Example 14B.	Pale Yellow Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
188		Example 14A.	Clear, Colorless Oil
189		Example 14A.	Pale Yellow Oil
190		Example 14A.	Pale Yellow Oil
191		Example 14A.	Pale Yellow Oil
192		Example 14A.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
193		Example 14A.	Pale Yellow Oil
194		Example 14A.	Pale Yellow Oil
195		Example 14B.	Clear, Colorless Oil
196		Example 14B.	Pale Yellow Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
197		Example 14B.	Clear, Colorless Oil
198		Example 14B.	Pale Yellow Oil
199		Example 14B.	Clear, Colorless Oil
200		Example 14B.	Pale Yellow Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
201		Example 14B.	Clear, Colorless Oil
202		Example 14B.	Clear, Colorless Oil
203		Example 14B.	Pale Yellow Oil
204		Example 14B.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
205		Example 14B.	Pale Yellow Oil
206		Example 14B.	Clear, Colorless Oil
207		Example 14B.	Clear, Colorless Oil
208		Example 14B.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
209		Example 14B.	Clear, Colorless Oil
210		Example 14B.	Clear, Colorless Oil
211		Example 14B.	Clear, Colorless Oil
212		Example 14B.	Clear, Colorless Oil

* Cmpd. No.	Structure	As Prepared According To	Appearance
213		Example 14A.	Clear, Colorless Oil
214		Example 14A.	Clear, Colorless Oil
215		Example 14A.	Clear, Colorless Oil
216		Example 14A.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
217		Example 14A.	Clear, Colorless Oil
218		Example 14A.	Clear, Colorless Oil
219		Example 14A.	Clear, Colorless Oil
220		Example 14A.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
221		Example 14A.	Clear, Colorless Oil
222		Example 14A.	Clear, Colorless Oil
223		Example 14A.	Clear, Colorless Oil
224		Example 14B.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
225		Example 14B.	Clear, Colorless Oil
226		Example 14B.	Clear, Colorless Oil
227		Example 14B.	Clear, Colorless Oil
228		Example 14B.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
229		Example 14B.	Clear, Colorless Oil
230		Example 14A.	Clear, Colorless Oil
231		Example 14A.	Clear, Colorless Oil
233		Example 14B.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
234		Example 14B.	Clear, Colorless Oil
236		Example 14B.	Cloudy Yellow Liquid
237		Example 14B.	Cloudy Yellow Liquid
238		Example 14B.	Yellow Liquid

*Cmpd. No.	Structure	As Prepared According To	Appearance
239		Example 14B.	Yellow Orange Liquid
240		Example 14B.	Yellow Liquid
241		Example 14A.	Oil
242		Example 14A.	Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
243		Example 14B.	Thick Oil
244		Example 14B.	Thick Oil
245		Example 14B.	Thick Oil
246		Example 14B.	Thick Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
247		Example 14B.	Thick Oil
248		Example 14B.	Thick Oil
249		Example 14B.	Thick Oil
250		Example 14A.	White Foam
251		Example 14A.	Thick Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
252		Example 14A.	Thick Oil
253		Example 14B.	Thick Oil
254		Example 14B.	Thick Oil
255		Example 14B.	Thick Oil
256		Example 14A.	Thick Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
257		Example 14B.	Thick Oil
258		Example 14B.	Thick Oil
259		Example 14B.	Thick Oil
260		Example 14B.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
261		Example 14B.	Clear, Colorless Oil
262		Example 14B.	Clear, Colorless Oil
263		Example 14B.	Clear, Colorless Oil
264		Example 14B.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
265		Example 14B.	Clear, Colorless Oil
266		Example 14B.	Clear, Colorless Oil
267		Example 14B.	Clear, Colorless Oil
268		Example 14B.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
269		Example 14B.	Clear, Colorless Oil
270		Example 14B.	Clear, Colorless Oil
271		Example 14B.	Clear, Colorless Oil

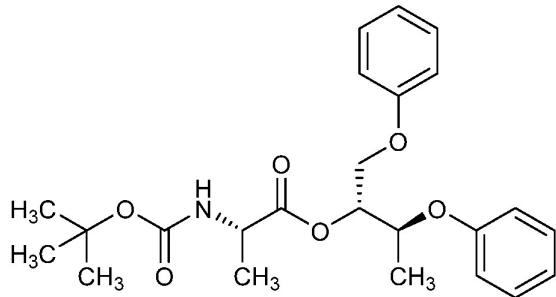
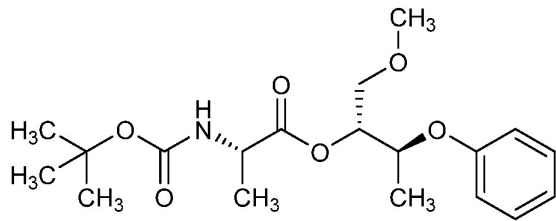
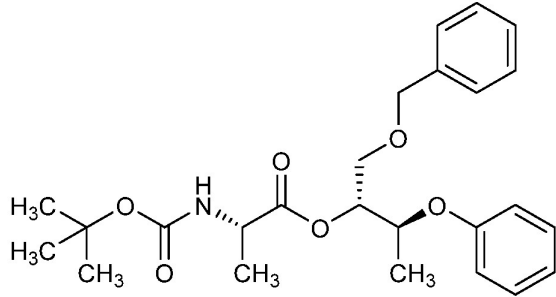
*Cmpd. No.	Structure	As Prepared According To	Appearance
272		Example 14B.	Pale Yellow Oil
273		Example 14B.	Pale Yellow Oil
274		Example 14A.	Clear, Colorless Oil
275		Example 14A.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
276		Example 14A.	Clear, Colorless Oil
277		Example 14A.	Clear, Colorless Oil
278		Example 14A.	Clear, Colorless Oil
279		Example 14A.	Clear, Colorless Oil
280		Example 14A.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
281		Example 14A.	Clear, Colorless Oil
282		Example 14A.	Pale Yellow Oil
283		Example 14A.	Clear, Colorless Oil
285		Example 1D; Example 5C; Example 6A; Example 10A; Example 11.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
286		Example 1B; Example 2; Example 3B; Example 4B; Example 5B; Example 6A; Example 10A; Example 11.	Clear, Colorless Oil
287		Example 1B; Example 2; Example 3B; Example 4B; Example 5B; Example 6A; Example 10A; Example 11.	Clear, Colorless Oil
288		Example 1F, Steps 1-2; Example 3A; Example 11.	Clear, Colorless Oil
289		Example 1F, Steps 1-2; Example 3A; Example 11.	Clear, Colorless Oil
290		Example 1F, Steps 1-2; Example 3A; Example 11.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
291		Example 1F, Steps 1-2; Example 3A; Example 11.	Clear, Colorless Oil
292		Example 1F, Steps 1-2; Example 3A; Example 11.	Clear, Colorless Oil
293		Example 1F, Steps 1-2; Example 3A; Example 11.	Clear, Colorless Oil
294		Example 1B; Example 2; Example 3B; Example 4B; Example 5B; Example 6A; Example 10A; Example 11; Example 12B.	Clear, Colorless Oil
295		Example 1B; Example 2; Example 3B; Example 4B; Example 5B; Example 6A; Example 10A; Example 11; Example 12B.	Clear, Colorless Oil

*Cmpd. No.	Structure	As Prepared According To	Appearance
296		Example 1B; Example 2; Example 3B; Example 4B; Example 5B; Example 6A; Example 7; Example 8A; Example 10A; Example 11.	Clear, Colorless Oil
297		Example 1B; Example 2; Example 3B; Example 4B; Example 5B; Example 6A; Example 7; Example 8B; Example 10A; Example 11.	Clear, Colorless Oil
298		Example 1B; Example 2; Example 3B; Example 4B; Example 5B; Example 6A; Example 7; Example 8C; Example 10A; Example 11.	Clear, Colorless Oil