

LISTADO DE SECUENCIAS

<110> Bayer AG
Bayer Pharma AG

< 120> Compuestos inhibidores de la MASP y usos de estos

<130> BHC171044WO

<160> 10

<170> PatentIn versión 3.5

<210> 1

<211> 14

<212> PRT

<213> Secuencia artificial

<220>

<223> SFMI-1

<220>

<221> DISULFURO

<222> (3)..(11)

<223> enlace disulfuro;

<220>

<221> DISULFURO

<222> (3)..(11)

<223> enlace disulfuro

<400> 1

Gly Ile Cys Ser Arg Ser Leu Pro Pro Ile Cys Ile Pro Asp
1 5 10

<210> 2

<211> 430

<212> PRT

<213> Secuencia artificial

<220>

<223> MASP-1_Human_Sequence fragment_C-terminal His Tag y N-terminal
Señal de secreción de Ig-kappa

<400> 2

Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Ala Gly Asn Glu Cys Pro Glu Leu Gln Pro Pro

	20		25		30														
Val	His	Gly	Lys	Ile	Glu	Pro	Ser	Gln	Ala	Lys	Tyr	Phe	Phe	Lys	Asp				
	35						40					45							
Gln	Val	Leu	Val	Ser	Cys	Asp	Thr	Gly	Tyr	Lys	Val	Leu	Lys	Asp	Asn				
	50					55					60								
Val	Glu	Met	Asp	Thr	Phe	Gln	Ile	Glu	Cys	Leu	Lys	Asp	Gly	Thr	Trp				
65					70				75						80				
Ser	Asn	Lys	Ile	Pro	Thr	Cys	Lys	Ile	Val	Asp	Cys	Arg	Ala	Pro	Gly				
				85					90					95					
Glu	Leu	Glu	His	Gly	Leu	Ile	Thr	Phe	Ser	Thr	Arg	Asn	Asn	Leu	Thr				
			100					105					110						
Thr	Tyr	Lys	Ser	Glu	Ile	Lys	Tyr	Ser	Cys	Gln	Glu	Pro	Tyr	Tyr	Lys				
		115					120					125							
Met	Leu	Asn	Asn	Asn	Thr	Gly	Ile	Tyr	Thr	Cys	Ser	Ala	Gln	Gly	Val				
	130					135					140								
Trp	Met	Asn	Lys	Val	Leu	Gly	Arg	Ser	Leu	Pro	Thr	Cys	Leu	Pro	Val				
145					150					155					160				
Cys	Gly	Leu	Pro	Lys	Phe	Ser	Arg	Lys	Leu	Met	Ala	Arg	Ile	Phe	Asn				
				165					170					175					
Gly	Arg	Pro	Ala	Gln	Lys	Gly	Thr	Thr	Pro	Trp	Ile	Ala	Met	Leu	Ser				
			180					185					190						
His	Leu	Asn	Gly	Gln	Pro	Phe	Cys	Gly	Gly	Ser	Leu	Leu	Gly	Ser	Ser				
		195					200					205							
Trp	Ile	Val	Thr	Ala	Ala	His	Cys	Leu	His	Gln	Ser	Leu	Asp	Pro	Glu				
	210					215					220								
Asp	Pro	Thr	Leu	Arg	Asp	Ser	Asp	Leu	Leu	Ser	Pro	Ser	Asp	Phe	Lys				
225					230					235					240				

Ile Ile Leu Gly Lys His Trp Arg Leu Arg Ser Asp Glu Asn Glu Gln
245 250 255

His Leu Gly Val Lys His Thr Thr Leu His Pro Gln Tyr Asp Pro Asn
260 265 270

Thr Phe Glu Asn Asp Val Ala Leu Val Glu Leu Leu Glu Ser Pro Val
275 280 285

Leu Asn Ala Phe Val Met Pro Ile Cys Leu Pro Glu Gly Pro Gln Gln
290 295 300

Glu Gly Ala Met Val Ile Val Ser Gly Trp Gly Lys Gln Phe Leu Gln
305 310 315 320

Arg Phe Pro Glu Thr Leu Met Glu Ile Glu Ile Pro Ile Val Asp His
325 330 335

Ser Thr Cys Gln Lys Ala Tyr Ala Pro Leu Lys Lys Lys Val Thr Arg
340 345 350

Asp Met Ile Cys Ala Gly Glu Lys Glu Gly Gly Lys Asp Ala Cys Ala
355 360 365

Gly Asp Ser Gly Gly Pro Met Val Thr Leu Asn Arg Glu Arg Gly Gln
370 375 380

Trp Tyr Leu Val Gly Thr Val Ser Trp Gly Asp Asp Cys Gly Lys Lys
385 390 395 400

Asp Arg Tyr Gly Val Tyr Ser Tyr Ile His His Asn Lys Asp Trp Ile
405 410 415

Gln Arg Val Thr Gly Val Arg Asn His His His His His His
420 425 430

<210> 3
<211> 417
<212> PRT
<213> Secuencia artificial

<220>

<223> MASP-2_Human_Sequence fragment_C-terminal His Tag y N-terminal
Señal de secreción de Ig-kappa

<400> 3

Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Ala Gln Pro Cys Pro Tyr Pro Met Ala Pro Pro
20 25 30

Asn Gly His Val Ser Pro Val Gln Ala Lys Tyr Ile Leu Lys Asp Ser
35 40 45

Phe Ser Ile Phe Cys Glu Thr Gly Tyr Glu Leu Leu Gln Gly His Leu
50 55 60

Pro Leu Lys Ser Phe Thr Ala Val Cys Gln Lys Asp Gly Ser Trp Asp
65 70 75 80

Arg Pro Met Pro Ala Cys Ser Ile Val Asp Cys Gly Pro Pro Asp Asp
85 90 95

Leu Pro Ser Gly Arg Val Glu Tyr Ile Thr Gly Pro Gly Val Thr Thr
100 105 110

Tyr Lys Ala Val Ile Gln Tyr Ser Cys Glu Glu Thr Phe Tyr Thr Met
115 120 125

Lys Val Asn Asp Gly Lys Tyr Val Cys Glu Ala Asp Gly Phe Trp Thr
130 135 140

Ser Ser Lys Gly Glu Lys Ser Leu Pro Val Cys Glu Pro Val Cys Gly
145 150 155 160

Leu Ser Ala Arg Thr Thr Gly Gly Arg Ile Tyr Gly Gly Gln Lys Ala
165 170 175

Lys Pro Gly Asp Phe Pro Trp Gln Val Leu Ile Leu Gly Gly Thr Thr
180 185 190

Ala Ala Gly Ala Leu Leu Tyr Asp Asn Trp Val Leu Thr Ala Ala His
195 200 205

Ala Val Tyr Glu Gln Lys His Asp Ala Ser Ala Leu Asp Ile Arg Met
210 215 220

Gly Thr Leu Lys Arg Leu Ser Pro His Tyr Thr Gln Ala Trp Ser Glu
225 230 235 240

Ala Val Phe Ile His Glu Gly Tyr Thr His Asp Ala Gly Phe Asp Asn
245 250 255

Asp Ile Ala Leu Ile Lys Leu Asn Asn Lys Val Val Ile Asn Ser Asn
260 265 270

Ile Thr Pro Ile Cys Leu Pro Arg Lys Glu Ala Glu Ser Phe Met Arg
275 280 285

Thr Asp Asp Ile Gly Thr Ala Ser Gly Trp Gly Leu Thr Gln Arg Gly
290 295 300

Phe Leu Ala Arg Asn Leu Met Tyr Val Asp Ile Pro Ile Val Asp His
305 310 315 320

Gln Lys Cys Thr Ala Ala Tyr Glu Lys Pro Pro Tyr Pro Arg Gly Ser
325 330 335

Val Thr Ala Asn Met Leu Cys Ala Gly Leu Glu Ser Gly Gly Lys Asp
340 345 350

Ser Cys Arg Gly Asp Ser Gly Gly Ala Leu Val Phe Leu Asp Ser Glu
355 360 365

Thr Glu Arg Trp Phe Val Gly Gly Ile Val Ser Trp Gly Ser Met Asn
370 375 380

Cys Gly Glu Ala Gly Gln Tyr Gly Val Tyr Thr Lys Val Ile Asn Tyr
385 390 395 400

Ile Pro Trp Ile Glu Asn Ile Ile Ser Asp Phe His His His His His
405 410 415

His

<210> 4

<211> 430

<212> PRT

<213> Secuencia artificial

<220>

<223> MASP-1_Rat_Sequence fragment_C-terminal His Tag y N-terminal
Señal de secreción de Ig-kappa

<400> 4

Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Ala Gly Asn Glu Cys Pro Lys Leu Gln Pro Pro
20 25 30

Val Tyr Gly Lys Ile Glu Pro Ser Gln Ala Val Tyr Ser Phe Lys Asp
35 40 45

Gln Val Leu Ile Ser Cys Asp Thr Gly Tyr Lys Val Leu Lys Asp Asn
50 55 60

Glu Val Met Asp Thr Phe Gln Ile Glu Cys Leu Lys Asp Gly Ala Trp
65 70 75 80

Ser Asn Lys Ile Pro Thr Cys Lys Ile Val Asp Cys Gly Val Pro Ala
85 90 95

Val Leu Lys His Gly Leu Val Thr Phe Ser Thr Arg Asn Asn Leu Thr
100 105 110

Thr Tyr Lys Ser Glu Ile Arg Tyr Ser Cys Gln Gln Pro Tyr Tyr Lys
115 120 125

Met Leu His Asn Thr Thr Gly Val Tyr Thr Cys Ser Ala His Gly Thr
130 135 140

Trp Thr Asn Glu Val Leu Lys Arg Ser Leu Pro Thr Cys Leu Pro Val

145					150					155				160		
Cys	Gly	Leu	Pro	Lys	Phe	Ser	Arg	Lys	His	Ile	Ser	Arg	Ile	Phe	Asn	
				165					170					175		
Gly	Arg	Pro	Ala	Gln	Lys	Gly	Thr	Thr	Pro	Trp	Ile	Ala	Met	Leu	Ser	
			180					185					190			
Gln	Leu	Asn	Gly	Gln	Pro	Phe	Cys	Gly	Gly	Ser	Leu	Leu	Gly	Ser	Asn	
		195					200					205				
Trp	Val	Leu	Thr	Ala	Ala	His	Cys	Leu	His	His	Pro	Leu	Asp	Pro	Glu	
	210					215					220					
Glu	Pro	Ile	Leu	His	Asn	Ser	His	Leu	Leu	Ser	Pro	Ser	Asp	Phe	Lys	
225					230					235					240	
Ile	Ile	Met	Gly	Lys	His	Trp	Arg	Arg	Arg	Ser	Asp	Glu	Asp	Glu	Gln	
				245					250					255		
His	Leu	His	Val	Lys	His	Ile	Met	Leu	His	Pro	Leu	Tyr	Asn	Pro	Ser	
			260					265					270			
Thr	Phe	Glu	Asn	Asp	Leu	Gly	Leu	Val	Glu	Leu	Ser	Glu	Ser	Pro	Arg	
		275					280					285				
Leu	Asn	Asp	Phe	Val	Met	Pro	Val	Cys	Leu	Pro	Glu	His	Pro	Ser	Thr	
	290					295					300					
Glu	Gly	Thr	Met	Val	Ile	Val	Ser	Gly	Trp	Gly	Lys	Gln	Phe	Leu	Gln	
305					310					315					320	
Arg	Leu	Pro	Glu	Asn	Leu	Met	Glu	Ile	Glu	Ile	Pro	Ile	Val	Asn	Tyr	
				325					330					335		
His	Thr	Cys	Gln	Glu	Ala	Tyr	Thr	Pro	Leu	Gly	Lys	Lys	Val	Thr	Gln	
			340					345					350			
Asp	Met	Ile	Cys	Ala	Gly	Glu	Lys	Glu	Gly	Gly	Lys	Asp	Ala	Cys	Ala	
		355					360					365				

Gly Asp Ser Gly Gly Pro Met Val Thr Lys Asp Ala Glu Arg Asp Gln
370 375 380

Trp Tyr Leu Val Gly Val Val Ser Trp Gly Glu Asp Cys Gly Lys Lys
385 390 395 400

Asp Arg Tyr Gly Val Tyr Ser Tyr Ile Tyr Pro Asn Lys Asp Trp Ile
405 410 415

Gln Arg Val Thr Gly Val Arg Asn His His His His His His
420 425 430

<210> 5

<211> 417

<212> PRT

<213> Secuencia artificial

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<223> MASP-2_Rat_Sequence fragment_C-terminal His Tag y N-terminal
Señal de secreción de Ig-kappa

<400> 5

Met Glu Thr Asp Thr Leu Leu Leu Trp Val Leu Leu Leu Trp Val Pro
1 5 10 15

Gly Ser Thr Gly Asp Thr Ala Gln Pro Cys Pro Asp Pro Thr Ala Pro
20 25 30

Pro Asn Gly His Ile Ser Pro Val Gln Ala Thr Tyr Val Leu Lys Asp
35 40 45

Ser Phe Ser Val Phe Cys Lys Thr Gly Phe Glu Leu Leu Gln Gly Ser
50 55 60

Val Pro Leu Lys Ser Phe Thr Ala Val Cys Gln Lys Asp Gly Ser Trp
65 70 75 80

Asp Arg Pro Ile Pro Glu Cys Ser Ile Ile Asp Cys Gly Pro Pro Asp
85 90 95

Asp Leu Pro Asn Gly His Val Asp Tyr Ile Thr Gly Pro Glu Val Thr
100 105 110

Thr Tyr Lys Ala Val Ile Gln Tyr Ser Cys Glu Glu Thr Phe Tyr Thr
115 120 125

Met Ser Ser Asn Gly Lys Tyr Val Cys Glu Ala Asp Gly Phe Trp Thr
130 135 140

Ser Ser Lys Gly Glu Lys Ser Leu Pro Val Cys Lys Pro Val Cys Gly
145 150 155 160

Leu Ser Thr His Thr Ser Gly Gly Arg Ile Ile Gly Gly Gln Pro Ala
165 170 175

Lys Pro Gly Asp Phe Pro Trp Gln Val Leu Leu Leu Gly Glu Thr Thr
180 185 190

Ala Ala Gly Ala Leu Ile His Asp Asp Trp Val Leu Thr Ala Ala His
195 200 205

Ala Val Tyr Gly Lys Thr Glu Ala Met Ser Ser Leu Asp Ile Arg Met
210 215 220

Gly Ile Leu Lys Arg Leu Ser Leu Ile Tyr Thr Gln Ala Trp Pro Glu
225 230 235 240

Ala Val Phe Ile His Glu Gly Tyr Thr His Gly Ala Gly Phe Asp Asn
245 250 255

Asp Ile Ala Leu Ile Lys Leu Lys Asn Lys Val Thr Ile Asn Arg Asn
260 265 270

Ile Met Pro Ile Cys Leu Pro Arg Lys Glu Ala Ala Ser Leu Met Lys
275 280 285

Thr Asp Phe Val Gly Thr Val Ala Gly Trp Gly Leu Thr Gln Lys Gly
290 295 300

Phe Leu Ala Arg Asn Leu Met Phe Val Asp Ile Pro Ile Val Asp His
305 310 315 320

Gln Lys Cys Ala Thr Ala Tyr Thr Lys Gln Pro Tyr Pro Gly Ala Lys
325 330 335

Val Thr Val Asn Met Leu Cys Ala Gly Leu Asp Arg Gly Gly Lys Asp
340 345 350

Ser Cys Arg Gly Asp Ser Gly Gly Ala Leu Val Phe Leu Asp Asn Glu
355 360 365

Thr Gln Arg Trp Phe Val Gly Gly Ile Val Ser Trp Gly Ser Ile Asn
370 375 380

Cys Gly Gly Ser Glu Gln Tyr Gly Val Tyr Thr Lys Val Thr Asn Tyr
385 390 395 400

Ile Pro Trp Ile Glu Asn Ile Ile Asn Asn Phe His His His His His
405 410 415

His

<210> 6
<211> 11
<212> PRT
<213> Secuencia artificial

<220>
<223> Sustrato de transferencia de energía por resonancia de fluorescencia

<220>
<221> Xaa
<222> (1)..(1)
<223> Xaa es 2-aminobenzoilo

<220>
<221> MOD_RES
<222> (10)..(10)
<223> AMIDACIÓN

<220>
<221> Xaa
<222> (11)..(11)
<223> Xaa es un grupo de recubrimiento no peptídico (2,4-dinitrofenilo; ligado al grupo aminolisina de la posición 6)

<400> 6

Xaa Met Tyr Gly Gly Ala Arg Arg Leu Lys Xaa
1 5 10

<210> 7

<211> 13

<212> PRT

<213> Secuencia artificial

<220>

<223> Sustrato de transferencia de energía por resonancia de fluorescencia

<220>

<221> Xaa

<222> (1)..(1)

<223> Xaa es ácido 4-((4-(dimetilamino)fenil)azo)benzóico

<220>

<221> MOD_RES

<222> (12)..(12)

<223> AMIDACIÓN

<220>

<221> Xaa

<222> (13)..(13)

<223> Xaa es 5-[(2-Aminoetil) amino]naftaleno-1-sulfonil o (ligado al grupo ácido glutámico ácido caboxílico de la posición 5)

<400> 7

Xaa Lys Ile Ser Pro Gln Gly Tyr Gly Arg Arg Glu Xaa
1 5 10

<210> 8

<211> 11

<212> PRT

<213> Secuencia artificial

<220>

<223> Sustrato de transferencia de energía por resonancia de fluorescencia

<220>

<221> Xaa

<222> (1)..(1)

<223> Xaa es ácido 4-((4-(dimetilamino)fenil)azo)benzóico

<220>
<221> MOD_RES
<222> (10)..(10)
<223> AMIDACIÓN

<220>
<221> Xaa
<222> (11)..(11)
<223> Xaa es 5-[(2-Aminoetil) amino]naftaleno-1-sulfonil o (ligado al grupo ácido glutámico ácido caboxílico de la posición 5)

<400> 8

Xaa Met Tyr Gly Gly Ala Arg Arg Leu Glu Xaa
1 5 10

<210> 9
<211> 11
<212> PRT
<213> Secuencia artificial

<220>
<223> Sustrato de transferencia de energía por resonancia de fluorescencia

<220>
<221> Xaa
<222> (1)..(1)
<223> Xaa es 2-aminobenzoilo

<220>
<221> MOD_RES
<222> (10)..(10)
<223> AMIDACIÓN

<220>
<221> Xaa
<222> (11)..(11)
<223> Xaa es un grupo de recubrimiento no peptídico (2,4-dinitrofenilo; ligado al grupo aminolisina de la posición 6)

<400> 9

Xaa Ile Glu Gly Arg Thr Ser Glu Asp Lys Xaa
1 5 10

<210> 10
<211> 14
<212> PRT
<213> Secuencia artificial

<220>
<223> Ala-1 SFMI-1

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<221> DISULFURO
<222> (3)..(11)

<220>
<221> DISULFURO
<222> (3)..(11)
<223> enlace disulfuro

<400> 10

Ala	Ile	Cys	Ser	Arg	Ser	Leu	Pro	Pro	Ile	Cys	Ile	Pro	Asp
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