

LISTADO DE SECUENCIAS

<110> PureCircle Sdn Bhd

<120> GLICÓSIDOS DE ESTEVIOL DE ALTA PUREZA

<130> 39227-80PROV

<160> 3

<170> PatentIn versión 3.5

<210> 1

<211> 808

<212> PRT

<213> Arabidopsis thaliana

<400> 1

Met Ala Asn Ala Glu Arg Met Ile Thr Arg Val His Ser Gln Arg Glu

1

5

10

15

Arg Leu Asn Glu Thr Leu Val Ser Glu Arg Asn Glu Val Leu Ala Leu

20

25

30

Leu Ser Arg Val Glu Ala Lys Gly Lys Gly Ile Leu Gln Gln Asn Gln

35

40

45

Ile Ile Ala Glu Phe Glu Ala Leu Pro Glu Gln Thr Arg Lys Lys Leu
50 55 60

Glu Gly Gly Pro Phe Phe Asp Leu Leu Lys Ser Thr Gln Glu Ala Ile
65 70 75 80

Val Leu Pro Pro Trp Val Ala Leu Ala Val Arg Pro Arg Pro Gly Val
85 90 95

Trp Glu Tyr Leu Arg Val Asn Leu His Ala Leu Val Val Glu Glu Leu
100 105 110

Gln Pro Ala Glu Phe Leu His Phe Lys Glu Glu Leu Val Asp Gly Val
115 120 125

Lys Asn Gly Asn Phe Thr Leu Glu Leu Asp Phe Glu Pro Phe Asn Ala
130 135 140

Ser Ile Pro Arg Pro Thr Leu His Lys Tyr Ile Gly Asn Gly Val Asp
145 150 155 160

Phe Leu Asn Arg His Leu Ser Ala Lys Leu Phe His Asp Lys Glu Ser
165 170 175

Leu Leu Pro Leu Leu Asp Phe Leu Arg Leu His Ser His Gln Gly Lys

180

185

190

Asn Leu Met Leu Ser Glu Lys Ile Gln Asn Leu Asn Thr Leu Gln His

195

200

205

Thr Leu Arg Lys Ala Glu Glu Tyr Leu Ala Glu Leu Lys Ser Glu Thr

210

215

220

Leu Tyr Glu Glu Phe Glu Ala Lys Phe Glu Glu Ile Gly Leu Glu Arg

225

230

235

240

Gly Trp Gly Asp Asn Ala Glu Arg Val Leu Asp Met Ile Arg Leu Leu

245

250

255

Leu Asp Leu Leu Glu Ala Pro Asp Pro Ser Thr Leu Glu Thr Phe Leu

260

265

270

Gly Arg Val Pro Met Val Phe Asn Val Val Ile Leu Ser Pro His Gly

275

280

285

Tyr Phe Ala Gln Asp Asn Val Leu Gly Tyr Pro Asp Thr Gly Gly Gln

290

295

300

Val Val Tyr Ile Leu Asp Gln Val Arg Ala Leu Glu Ile Glu Met Leu
305 310 315 320

Gln Arg Ile Lys Gln Gln Gly Leu Asn Ile Lys Pro Arg Ile Leu Ile
325 330 335

Leu Thr Arg Leu Leu Pro Asp Ala Val Gly Thr Thr Cys Gly Glu Arg
340 345 350

Leu Glu Arg Val Tyr Asp Ser Glu Tyr Cys Asp Ile Leu Arg Val Pro
355 360 365

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

Val Trp Pro Tyr Leu Glu Thr Tyr Thr Glu Asp Ala Ala Val Glu Leu
385 390 395 400

Ser Lys Glu Leu Asn Gly Lys Pro Asp Leu Ile Ile Gly Asn Tyr Ser
405 410 415

Asp Gly Asn Leu Val Ala Ser Leu Leu Ala His Lys Leu Gly Val Thr

	420		425		430
Gln	Cys	Thr	Ile	Ala	His
				Ala	Leu
				Glu	Lys
				Thr	Lys
				Tyr	Pro
				Asp	Ser
	435		440		445
Asp	Ile	Tyr	Trp	Lys	Lys
				Leu	Asp
				Asp	Lys
				Tyr	His
				Phe	Ser
				Cys	Gln
	450		455		460
Phe	Thr	Ala	Asp	Ile	Phe
				Ala	Met
				Asn	His
				Thr	Asp
				Phe	Ile
				Ile	Thr
465			470		475
Ser	Thr	Phe	Gln	Glu	Ile
				Ala	Gly
				Ser	Lys
				Glu	Thr
				Val	Gly
				Gln	Tyr
		485		490	495
Glu	Ser	His	Thr	Ala	Phe
				Thr	Leu
				Pro	Gly
				Leu	Tyr
				Arg	Val
				Val	His
	500		505		510
Gly	Ile	Asp	Val	Phe	Asp
				Pro	Lys
				Phe	Asn
				Ile	Val
				Ser	Pro
				Gly	Ala
	515		520		525
Asp	Met	Ser	Ile	Tyr	Phe
				Pro	Tyr
				Thr	Glu
				Glu	Lys
				Arg	Arg
				Leu	Thr
	530		535		540

Lys Phe His Ser Glu Ile Glu Glu Leu Leu Tyr Ser Asp Val Glu Asn
545 550 555 560

Asp Glu His Leu Cys Val Leu Lys Asp Lys Lys Lys Pro Ile Leu Phe
565 570 575

Thr Met Ala Arg Leu Asp Arg Val Lys Asn Leu Ser Gly Leu Val Glu
580 585 590

Trp Tyr Gly Lys Asn Thr Arg Leu Arg Glu Leu Val Asn Leu Val Val
595 600 605

Val Gly Gly Asp Arg Arg Lys Glu Ser Lys Asp Asn Glu Glu Lys Ala
610 615 620

Glu Met Lys Lys Met Tyr Asp Leu Ile Glu Glu Tyr Lys Leu Asn Gly
625 630 635 640

Gln Phe Arg Trp Ile Ser Ser Gln Met Asp Arg Val Arg Asn Gly Glu
645 650 655

Leu Tyr Arg Tyr Ile Cys Asp Thr Lys Gly Ala Phe Val Gln Pro Ala
660 665 670

Leu Tyr Glu Ala Phe Gly Leu Thr Val Val Glu Ala Met Thr Cys Gly

675

680

685

Leu Pro Thr Phe Ala Thr Cys Lys Gly Gly Pro Ala Glu Ile Ile Val

690

695

700

His Gly Lys Ser Gly Phe His Ile Asp Pro Tyr His Gly Asp Gln Ala

705

710

715

720

Ala Asp Leu Leu Ala Asp Phe Phe Thr Lys Cys Lys Glu Asp Pro Ser

725

730

735

His Trp Asp Glu Ile Ser Lys Gly Gly Leu Gln Arg Ile Glu Glu Lys

740

745

750

Tyr Thr Trp Gln Ile Tyr Ser Gln Arg Leu Leu Thr Leu Thr Gly Val

755

760

765

Tyr Gly Phe Trp Lys His Val Ser Asn Leu Asp Arg Leu Glu His Arg

770

775

780

Arg Tyr Leu Glu Met Phe Tyr Ala Leu Lys Tyr Arg Pro Leu Ala Gln

785

790

795

800

Ala Val Pro Leu Ala Gln Asp Asp

805

<210> 2

<211> 442

<212> PRT

<213> Solanum lycopersicum

<400> 2

Met Ala Thr Asn Leu Arg Val Leu Met Phe Pro Trp Leu Ala Tyr Gly

1 5 10 15

His Ile Ser Pro Phe Leu Asn Ile Ala Lys Gln Leu Ala Asp Arg Gly

20 25 30

Phe Leu Ile Tyr Leu Cys Ser Thr Arg Ile Asn Leu Glu Ser Ile Ile

35 40 45

Lys Lys Ile Pro Glu Lys Tyr Ala Asp Ser Ile His Leu Ile Glu Leu

50 55 60

Gln Leu Pro Glu Leu Pro Glu Leu Pro Pro His Tyr His Thr Thr Asn

65 70 75 80

Gly Leu Pro Pro His Leu Asn Pro Thr Leu His Lys Ala Leu Lys Met

85

90

95

Ser Lys Pro Asn Phe Ser Arg Ile Leu Gln Asn Leu Lys Pro Asp Leu

100

105

110

Leu Ile Tyr Asp Val Leu Gln Pro Trp Ala Glu His Val Ala Asn Glu

115

120

125

Gln Gly Ile Pro Ala Gly Lys Leu Leu Val Ser Cys Ala Ala Val Phe

130

135

140

Ser Tyr Phe Phe Ser Phe Arg Lys Asn Pro Gly Val Glu Phe Pro Phe

145

150

155

160

Pro Ala Ile His Leu Pro Glu Val Glu Lys Val Lys Ile Arg Glu Ile

165

170

175

Leu Ala Lys Glu Pro Glu Glu Gly Gly Arg Leu Asp Glu Gly Asn Lys

180

185

190

Gln Met Met Leu Met Cys Thr Ser Arg Thr Ile Glu Ala Lys Tyr Ile

195

200

205

Asp Tyr Cys Thr Glu Leu Cys Asn Trp Lys Val Val Pro Val Gly Pro

210

215

220

Pro Phe Gln Asp Leu Ile Thr Asn Asp Ala Asp Asn Lys Glu Leu Ile

225

230

235

240

Asp Trp Leu Gly Thr Lys Pro Glu Asn Ser Thr Val Phe Val Ser Phe

245

250

255

Gly Ser Glu Tyr Phe Leu Ser Lys Glu Asp Met Glu Glu Ile Ala Phe

260

265

270

Ala Leu Glu Ala Ser Asn Val Asn Phe Ile Trp Val Val Arg Phe Pro

275

280

285

Lys Gly Glu Glu Arg Asn Leu Glu Asp Ala Leu Pro Glu Gly Phe Leu

290

295

300

Glu Arg Ile Gly Glu Arg Gly Arg Val Leu Asp Lys Phe Ala Pro Gln

305

310

315

320

Pro Arg Ile Leu Asn His Pro Ser Thr Gly Gly Phe Ile Ser His Cys
325 330 335

Gly Trp Asn Ser Val Met Glu Ser Ile Asp Phe Gly Val Pro Ile Ile
340 345 350

Ala Met Pro Ile His Asn Asp Gln Pro Ile Asn Ala Lys Leu Met Val
355 360 365

Glu Leu Gly Val Ala Val Glu Ile Val Arg Asp Asp Asp Gly Lys Ile
370 375 380

His Arg Gly Glu Ile Ala Glu Ala Leu Lys Ser Val Val Thr Gly Glu
385 390 395 400

Thr Gly Glu Ile Leu Arg Ala Lys Val Arg Glu Ile Ser Lys Asn Leu
405 410 415

Lys Ser Ile Arg Asp Glu Glu Met Asp Ala Val Ala Glu Glu Leu Ile
420 425 430

Gln Leu Cys Arg Asn Ser Asn Lys Ser Lys
435 440

<210> 3

<211> 458

<212> PRT

<213> Stevia rebaudiana

<400> 3

Met Glu Asn Lys Thr Glu Thr Thr Val Arg Arg Arg Arg Arg Ile Ile

1 5 10 15

Leu Phe Pro Val Pro Phe Gln Gly His Ile Asn Pro Ile Leu Gln Leu

20 25 30

Ala Asn Val Leu Tyr Ser Lys Gly Phe Ala Ile Thr Ile Leu His Thr

35 40 45

Asn Phe Asn Lys Pro Lys Thr Ser Asn Tyr Pro His Phe Thr Phe Arg

50 55 60

Phe Ile Leu Asp Asn Asp Pro Gln Asp Glu Arg Ile Ser Asn Leu Pro

65 70 75 80

Thr His Gly Pro Leu Ala Gly Met Arg Ile Pro Ile Ile Asn Glu His

85 90 95

Gly Ala Asp Glu Leu Arg Arg Glu Leu Glu Leu Leu Met Leu Ala Ser
100 105 110

Glu Glu Asp Glu Glu Val Ser Cys Leu Ile Thr Asp Ala Leu Trp Tyr
115 120 125

Phe Ala Gln Asp Val Ala Asp Ser Leu Asn Leu Arg Arg Leu Val Leu
130 135 140

Met Thr Ser Ser Leu Phe Asn Phe His Ala His Val Ser Leu Pro Gln
145 150 155 160

Phe Asp Glu Leu Gly Tyr Leu Asp Pro Asp Asp Lys Thr Arg Leu Glu
165 170 175

Glu Gln Ala Ser Gly Phe Pro Met Leu Lys Val Lys Asp Ile Lys Ser
180 185 190

Ala Tyr Ser Asn Trp Gln Ile Gly Lys Glu Ile Leu Gly Lys Met Ile
195 200 205

Lys Gln Thr Lys Ala Ser Ser Gly Val Ile Trp Asn Ser Phe Lys Glu
210 215 220

Leu Glu Glu Ser Glu Leu Glu Thr Val Ile Arg Glu Ile Pro Ala Pro
225 230 235 240

Ser Phe Leu Ile Pro Leu Pro Lys His Leu Thr Ala Ser Ser Ser Ser
245 250 255

Leu Leu Asp His Asp Arg Thr Val Phe Glu Trp Leu Asp Gln Gln Ala
260 265 270

Pro Ser Ser Val Leu Tyr Val Ser Phe Gly Ser Thr Ser Glu Val Asp
275 280 285

Glu Lys Asp Phe Leu Glu Ile Ala Arg Gly Leu Val Asp Ser Gly Gln
290 295 300

Ser Phe Leu Trp Val Val Arg Pro Gly Phe Val Lys Gly Ser Thr Trp
305 310 315 320

Val Glu Pro Leu Pro Asp Gly Phe Leu Gly Glu Arg Gly Lys Ile Val
325 330 335

Lys Trp Val Pro Gln Gln Glu Val Leu Ala His Pro Ala Ile Gly Ala

	340		345		350
Phe	Trp	Thr	His	Ser	Gly
					Trp
					Asn
					Ser
					Thr
					Leu
					Glu
					Ser
					Val
					Cys
					Glu
	355		360		365
Gly	Val	Pro	Met	Ile	Phe
					Ser
					Ser
					Phe
					Gly
					Gly
					Asp
					Gln
					Pro
					Leu
					Asn
	370		375		380
Ala	Arg	Tyr	Met	Ser	Asp
					Val
					Leu
					Arg
					Val
					Gly
					Val
					Tyr
					Leu
					Glu
					Asn
	385		390		395
Gly	Trp	Glu	Arg	Gly	Glu
					Val
					Val
					Asn
					Ala
					Ile
					Arg
					Arg
					Val
					Met
					Val
	405		410		415
Asp	Glu	Glu	Gly	Glu	Tyr
					Ile
					Arg
					Gln
					Asn
					Ala
					Arg
					Val
					Leu
					Lys
					Gln
	420		425		430
Lys	Ala	Asp	Val	Ser	Leu
					Met
					Lys
					Gly
					Gly
					Ser
					Ser
					Tyr
					Glu
					Ser
					Leu
	435		440		445
Glu	Ser	Leu	Val	Ser	Tyr
					Ile
					Ser
					Ser
					Leu
	450		455		