

SEQUENCE LISTING

<110> Madrigal Pharmaceuticals, Inc.; and
F. Hoffmann-La Roche Ltd.

<120> METHOD OF SYNTHESIZING THYROID HORMONE ANALOGS AND POLYMORPHS
THEREOF

<130> SP102829SGB

<150> US 61/702,137

<151> 2012-09-17

<150> US 61/790,432

<151> 2013-03-15

<160> 2

<170> PatentIn version 3.5

<210> 1

<211> 259

<212> PRT

<213> Homo sapiens

<400> 1

Glu	Leu	Gln	Lys	Ser	Ile	Gly	His	Lys	Pro	Glu	Pro	Thr	Asp	Glu	Glu
1			5						10					15	

Trp	Glu	Leu	Ile	Lys	Thr	Val	Thr	Glu	Ala	His	Val	Ala	Thr	Asn	Ala
		20					25						30		

Gln	Gly	Ser	His	Trp	Lys	Gln	Lys	Arg	Lys	Phe	Leu	Pro	Glu	Asp	Ile
		35				40						45			

Gly	Gln	Ala	Pro	Ile	Val	Asn	Ala	Pro	Glu	Gly	Gly	Lys	Val	Asp	Leu
	50					55					60				

Glu	Ala	Phe	Ser	His	Phe	Thr	Lys	Ile	Ile	Thr	Pro	Ala	Ile	Thr	Arg
65					70					75					80

Val	Val	Asp	Phe	Ala	Lys	Lys	Leu	Pro	Met	Phe	Cys	Glu	Leu	Pro	Cys
			85					90						95	

Glu	Asp	Gln	Ile	Ile	Leu	Leu	Lys	Gly	Cys	Cys	Met	Glu	Ile	Met	Ser
			100					105					110		

Leu	Arg	Ala	Ala	Val	Arg	Tyr	Asp	Pro	Glu	Ser	Glu	Thr	Leu	Thr	Leu
		115					120						125		

Asn Gly Glu Met Ala Val Thr Arg Gly Gln Leu Lys Asn Gly Gly Leu
 130 135 140

Gly Val Val Ser Asp Ala Ile Phe Asp Leu Gly Met Ser Leu Ser Ser
 145 150 155 160

Phe Asn Leu Asp Asp Thr Glu Val Ala Leu Leu Gln Ala Val Leu Leu
 165 170 175

Met Ser Ser Asp Arg Pro Gly Leu Ala Cys Val Glu Arg Ile Glu Lys
 180 185 190

Tyr Gln Asp Ser Phe Leu Leu Ala Phe Glu His Tyr Ile Asn Tyr Arg
 195 200 205

Lys His His Val Thr His Phe Trp Pro Lys Leu Leu Met Lys Val Thr
 210 215 220

Asp Leu Arg Met Ile Gly Ala Cys His Ala Ser Arg Phe Leu His Met
 225 230 235 240

Lys Val Glu Cys Pro Thr Glu Leu Phe Pro Pro Leu Phe Leu Glu Val
 245 250 255

Phe Glu Asp

<210> 2
 <211> 780
 <212> DNA
 <213> Homo sapiens

<400> 2
 gagctgcaga agtccatcgg gcacaagcca gagccacag acgaggaatg ggagctcatc
 60

aaaactgtca ccgaagccca tgtggcgacc aacgccaag gcagccactg gaagcaaaaa
 120

cggaaattcc tgccagaaga cattggacaa gcaccaatag tcaatgcccc agaaggtgga
 180

aaggttgact tggaagcctt cagccatttt acaaaaatca tcacaccagc aattaccaga
 240

gtggttgatt ttgccaaaaa gttgcctatg ttttgtgagc tgccatgtga agaccagatc
 300

atcctcctca aaggctgctg catggagatc atgtcccttc gcgctgctgt gcgctatgac
360

ccagaaagtg agactttaac cttgaatggg gaaatggcag tgacacgggg ccagctgaaa
420

aatgggggtc ttgggggtgg gtcagacgcc atctttgacc tgggcatgtc tctgtcttct
480

ttcaacctgg atgacactga agtagccctc cttcaggccg tcctgctgat gtcttcagat
540

cgcccggggc ttgcctgtgt tgagagaata gaaaagtacc aagatagttt cctgctggcc
600

tttgaacact atatcaatta ccgaaaacac cacgtgacac acttttggcc aaaactcctg
660

atgaaggtga cagatctgcg gatgatagga gcctgccatg ccagccgctt cctgcacatg
720

aagggtggaat gccccacaga actcttcccc cctttgttct tggaagtgtt cgaggattag
780