

# LISTADO DE SECUENCIAS

<110> NIPPON SHINYAKU CO., LTD.

<120> INHIBIDOR DE SEÑAL DE MIOSTATINA

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<151> 2018-12-28

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| ugugauccag | guauuuuag  | aaccaguua  | cucagaccuc | auguugaaca | gugucgccau | 9360  |
| cuggguccuc | uugauacugc | agacuuuuu  | cguacacaug | caggaacccu | gcugagcgug | 9420  |
| ggcacuuguu | uuaaagcaaa | acucuuccca | aggacugaag | aaagggcuuc | uggcaagcuc | 9480  |
| gucauggcau | ugugguggga | ugggucuaga | gugucaucug | aauggugcuu | ccuguguucc | 9540  |
| ucuuugaauu | cugccauuuu | caguauucuu | gugugucuga | auaggcaaag | cgauuuuauu | 9600  |
| ggcuggucuu | gcacgcaauu | uaguuccaaa | gauaagcucu | uuguaacaca | uuuccagucg | 9660  |
| cuaaugcuca | aauguagaac | auuccuuuua | auggcaggau | aaaaaaccca | cuauccacca | 9720  |
| uagugcauuu | ugggaagaug | ucuguagcau | auguugcugu | gaaauuaggc | cuugugggau | 9780  |
| auggcuguuu | gucauuuuga | uguauuuuua | auaaaauauu | auauuuuuua | aagagccuuu | 9840  |
| uuuaccaguu | caaaaaguuu | aaauaaccag | cagucaccgc | aucugaauuu | uugucucugg | 9900  |
| ggcauagaug | gcagaccaag | auuaaaagug | guaacucagc | uauacgagca | ugggcuaccu | 9960  |
| uccugggcuc | uccugcaguc | cuguagaccu | gcuguuccgc | agaccauggg | acacaagguc | 10020 |
| aguguguucc | cagugagggg | cccaagucag | ucaucuuaag | uguuuguucu | cugccccauu | 10080 |
| caguggacug | uugacuucag | ucccugcaag | ugcuuuagcc | cgaguggggg | uuucucagag | 10140 |
| cacugccacg | aguuaagugu | guguuuagcc | aaauauuuuc | uccguaaggg | aaaaaugcag | 10200 |
| ucacccaaau | uuuaccaaca | augacagaga | ugagaguaga | aaagauuagg | caacaucuga | 10260 |
| guuuuaacuu | gaaaaguguc | caagucauca | ugaaaggccg | acugggagca | agugauuuu  | 10320 |
| agagauucuu | caggagaccu | caucugaaaa | uguuaagacu | gccagugagg | gaaggauuug | 10380 |
| uuaaaaugcc | agcggcuuuu | uuuuccucuu | uuuuucugua | auucuguaaa | aaugcagaga | 10440 |
| aaguugagug | guacuucaga | auugagggag | aggguuaccg | cagaguagaa | auauauuucu | 10500 |

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| agauuucagu | uccacaccac | aaauccacaa | caaugccauu | uuucaacugu | acaaaaaucu  | 10560 |
| gcuuauaac  | uggacaugau | cuuaauggua | gugucaaagg | ccaaguuuuu | caccuguuua  | 10620 |
| uaauuuucca | cauuuguccu | ugaaucugaa | uaacuuuaua | caguacugua | aauuuaacuu  | 10680 |
| acaucgaguu | uguugucaau | ucuuaugaaa | agagcuuucu | gcauguaaca | cauacgguaa  | 10740 |
| aagaacacag | caaaggacaa | aaauugcagg | aacaguuuug | gaaccaacag | aaaaugucac  | 10800 |
| cuuuuauuug | ccaucuuuua | uaauaucuau | aguuuuacca | gcuacuucua | aaauuguaa   | 10860 |
| uuauuuugua | gggaaagaag | gaaaacccua | agacuugucu | aacuuagugg | agaauugug   | 10920 |
| uguugggcuu | aggauggaua | gcuaagucuu | auugagcugu | guuaccuaac | uuguauauaa  | 10980 |
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| caaacucugg | aaaugugacu | aguauaugau | uuuaggcugu | agaagcaagg | aagcucuuuc  | 11100 |
| aagugcuaaa | acuaaagacu | ucuaguuuuu | ggcucaaaau | aguacuguuu | guauaccagg  | 11160 |
| auaugugaga | uguaaaugua | guaggucacu | uuucacccuu | guagcuauaa | aauaaaaauu  | 11220 |
| uuguagaaca | gaaaauagcu | guacuacuga | auuaacaaaa | guuauacuaa | aguaucaugu  | 11280 |
| uuaaaaaaaa | uauauauaua | uauacagagu | uaagcuuguu | gcuguuaccc | ugucuggauu  | 11340 |
| ugaaaagugu | gcugauuuau | auauauauau | uacacacaca | cacacacaca | cacacacaca  | 11400 |
| cacacacaca | cacacacaca | cacacacaca | cacacacaca | cacauacacc | uaaaauaggcc | 11460 |
| uaaagcagac | auccauguaa | uuacaguugc | aaaauagaaa | cauuuuggaa | agaacauugu  | 11520 |
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| cacccaaca  | auaggaggaa | aaaucuagaa | cuauuucaag | uuuuaucuuu | uuguauauga  | 11760 |
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<210> 9  
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| ccaccaccau | ccccucuggu | gggcccugaag | ccacugcagc  | ugcuggagau | caaggcucgg  | 120 |
| gggpgcuuug | gcugugucug | gaaggcccag  | cucaugaauug | acuuuguagc | ugucaagauc  | 180 |

|            |             |            |            |            |            |      |
|------------|-------------|------------|------------|------------|------------|------|
| uucccacucc | aggacaagca  | gucguggcag | agugaacggg | agaucuucag | cacaccuggc | 240  |
| augaagcacg | agaaccugcu  | acaguucauu | gcugccgaga | agcgaggcuc | caaccucgaa | 300  |
| guagagcugu | ggcucaucac  | ggccuuccau | gacaagggcu | cccucacgga | uuaccucaag | 360  |
| gggaacauca | ucacauggaa  | cgaacugugu | cauguagcag | agacgauguc | acgaggccuc | 420  |
| ucauaccugc | augagggaugu | gccugggugc | cguggcgagg | gccacaagcc | gucuauugcc | 480  |
| cacagggacu | uuaaaaguaa  | gaauguauug | cugaagagcg | accucacagc | cgugcuggcu | 540  |
| gacuuuggcu | uggcuguucg  | auuugagcca | gggaaaccuc | caggggacac | ccacggacag | 600  |
| guaggcacga | gacgguacau  | ggcuccugag | gugcucgagg | gagccaucaa | cuuccagaga | 660  |
| gaugccuucc | ugcgcauuga  | cauguaugcc | augggguugg | ugcuguggga | gcuugugucu | 720  |
| cgcugcaagg | cugcagacgg  | acccguggau | gaguacaugc | ugcccuuuga | ggaagagauu | 780  |
| ggccagcacc | cuucguugga  | ggagcugcag | gagguggugg | ugcacaagaa | gaugaggccc | 840  |
| accauuaaag | aucacugguu  | gaaacacccg | ggccuggccc | agcuuugugu | gaccaucgag | 900  |
| gagugcuggg | accaugaugc  | agaggcucgc | uuguccgagg | gcugugugga | ggagcgggug | 960  |
| ucccugauuc | ggaggucggu  | caacggcacu | accucggacu | gucucguuuc | ccuggugacc | 1020 |
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 <213> Homo sapiens

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| cgtggggagg  | ctgagacacg ggagtgcac tactacaacg ccaactggga gctggagcmc 120   |
| accaaccaga  | gcggcctgga gcgctgcgaa ggcgagcagg acaagcggct gcaactgtac 180  |
| gcctcctggc  | gcaacagctc tggcaccatc gagctcgtga agaagggctg ctggctagat 240  |
| gacttcaact  | gctacgatag gcaggagtgt gtggccactg aggagaacct ccagggtgtac 300 |
| ttctgctgct  | gtgaaggcaa cttctgcaac gaacgcttca ctcatctgcc agaggctggg 360  |
| ggcccgggaag | tcacgtacga gccacccccg acagccccc aacctgtcac ggtgctggcc 420   |
| tactactgc   | tgcccatcgg gggcctttcc ctcatcgtcc tgctggcctt ttggatgtac 480  |
| cggcatcgc   | agcccccta cggatcatgt gacatccatg aggaccctgg gcctccacca 540   |
| ccatccctc   | tggtgggcct gaagccactg cagctgctgg agatcaaggc tcgggggcgc 600  |

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tttggctgtg tctggaaggc ccagctcatg aatgactttg tagctgtcaa gatcttccca    660
ctccaggaca agcagtcgtg gcagagtga cgggagatct tcagcacacc tggcatgaag    720
cacgagaacc tgctacagtt cattgctgcc gagaagcgag gctccaacct cgaagtagag    780
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atcatcacat ggaacgaact gtgtcatgta gcagagacga tgtcacgagg cctctcatac    900
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gactttaaaa gtaagaatgt attgctgaag agcgacctca cagccgtgct ggctgacttt   1020
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acgagacggg acatggctcc tgaggtgctc gagggagcca tcaacttcca gagagatgcc   1140
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cacccttcgt tggaggagct gcaggaggtg gtggtgcaca agaagatgag gcccaccatt   1320
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attcggaggt cggtaacgg cactacctcg gactgtctcg tttccctggt gacctctgtc   1500
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<212> PRT
<213> Homo sapiens

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Met Thr Ala Pro Trp Val Ala Leu Ala Leu Leu Trp Gly Ser Leu Cys
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```

```

Ala Gly Ser Gly Arg Gly Glu Ala Glu Thr Arg Glu Cys Ile Tyr Tyr
20          25          30

```

```

Asn Ala Asn Trp Glu Leu Glu Arg Thr Asn Gln Ser Gly Leu Glu Arg
35          40          45

```

```

Cys Glu Gly Glu Gln Asp Lys Arg Leu His Cys Tyr Ala Ser Trp Arg
50          55          60

```

## 12

Asn Ser Ser Gly Thr Ile Glu Leu Val Lys Lys Gly Cys Trp Leu Asp  
65 70 75 80

Asp Phe Asn Cys Tyr Asp Arg Gln Glu Cys Val Ala Thr Glu Glu Asn  
85 90 95

Pro Gln Val Tyr Phe Cys Cys Cys Glu Gly Asn Phe Cys Asn Glu Arg  
100 105 110

Phe Thr His Leu Pro Glu Ala Gly Gly Pro Glu Val Thr Tyr Glu Pro  
115 120 125

Pro Pro Thr Ala Pro Thr Leu Leu Thr Val Leu Ala Tyr Ser Leu Leu  
130 135 140

Pro Ile Gly Gly Leu Ser Leu Ile Val Leu Leu Ala Phe Trp Met Tyr  
145 150 155 160

Arg His Arg Lys Pro Pro Tyr Gly His Val Asp Ile His Glu Asp Pro  
165 170 175

Gly Pro Pro Pro Pro Ser Pro Leu Val Gly Leu Lys Pro Leu Gln Leu  
180 185 190

Leu Glu Ile Lys Ala Arg Gly Arg Phe Gly Cys Val Trp Lys Ala Gln  
195 200 205

Leu Met Asn Asp Phe Val Ala Val Lys Ile Phe Pro Leu Gln Asp Lys  
210 215 220

Gln Ser Trp Gln Ser Glu Arg Glu Ile Phe Ser Thr Pro Gly Met Lys  
225 230 235 240

His Glu Asn Leu Leu Gln Phe Ile Ala Ala Glu Lys Arg Gly Ser Asn  
245 250 255

Leu Glu Val Glu Leu Trp Leu Ile Thr Ala Phe His Asp Lys Gly Ser  
260 265 270

Leu Thr Asp Tyr Leu Lys Gly Asn Ile Ile Thr Trp Asn Glu Leu Cys  
275 280 285

His Val Ala Glu Thr Met Ser Arg Gly Leu Ser Tyr Leu His Glu Asp  
 290 295 300

Val Pro Trp Cys Arg Gly Glu Gly His Lys Pro Ser Ile Ala His Arg  
 305 310 315 320

Asp Phe Lys Ser Lys Asn Val Leu Leu Lys Ser Asp Leu Thr Ala Val  
 325 330 335

Leu Ala Asp Phe Gly Leu Ala Val Arg Phe Glu Pro Gly Lys Pro Pro  
 340 345 350

Gly Asp Thr His Gly Gln Val Gly Thr Arg Arg Tyr Met Ala Pro Glu  
 355 360 365

Val Leu Glu Gly Ala Ile Asn Phe Gln Arg Asp Ala Phe Leu Arg Ile  
 370 375 380

Asp Met Tyr Ala Met Gly Leu Val Leu Trp Glu Leu Val Ser Arg Cys  
 385 390 395 400

Lys Ala Ala Asp Gly Pro Val Asp Glu Tyr Met Leu Pro Phe Glu Glu  
 405 410 415

Glu Ile Gly Gln His Pro Ser Leu Glu Glu Leu Gln Glu Val Val Val  
 420 425 430

His Lys Lys Met Arg Pro Thr Ile Lys Asp His Trp Leu Lys His Pro  
 435 440 445

Gly Leu Ala Gln Leu Cys Val Thr Ile Glu Glu Cys Trp Asp His Asp  
 450 455 460

Ala Glu Ala Arg Leu Ser Ala Gly Cys Val Glu Glu Arg Val Ser Leu  
 465 470 475 480

Ile Arg Arg Ser Val Asn Gly Thr Thr Ser Asp Cys Leu Val Ser Leu  
 485 490 495

Val Thr Ser Val Thr Asn Val Asp Leu Pro Pro Lys Glu Ser Ser Ile  
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<210> 13  
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<400> 13  
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<210> 14  
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<400> 14  
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<210> 15  
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<400> 15  
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<210> 16  
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<400> 16  
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<210> 17  
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<400> 18  
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<210> 20  
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<400> 21

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| ctacatgaca cagttcggttc catg    | 24 |
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| <213> Artificial               |    |
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| <400> 22                       |    |
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| <210> 23                       |    |
| <211> 24                       |    |
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| <213> Artificial               |    |
| <220>                          |    |
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| <400> 23                       |    |
| ctcatgcagg tatgagaggc ctgc     | 24 |
| <210> 24                       |    |
| <211> 24                       |    |
| <212> ADN                      |    |
| <213> Artificial               |    |
| <220>                          |    |
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| <400> 24                       |    |
| agggcacatc ctcatgcagg tatg     | 24 |
| <210> 25                       |    |
| <211> 24                       |    |
| <212> ADN                      |    |
| <213> Artificial               |    |
| <220>                          |    |
| <223> Ácido nucleico sintético |    |
| <400> 25                       |    |
| gtgaggtcgc tcttcagcaa taca     | 24 |
| <210> 26                       |    |
| <211> 24                       |    |
| <212> ADN                      |    |
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<223> Ácido nucleico sintético

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<400> 33

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<210> 34

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