

Title (en)
COMPOSITIONS AND METHODS FOR TREATING BONE DEFICIT CONDITIONS

Title (de)
ZUSAMMENSTELLUNGEN UND VERFAHREN ZUR BEHANDLUNG VON KNOCHENMANGELERSCHINUNGEN

Title (fr)
COMPOSITIONS ET METHODES POUR TRAITER LES ETATS ASSOCIES A UN DEFICIT OSSEUX

Publication
EP 0973513 A4 20030319 (EN)

Application
EP 97912787 A 19971023

Priority

- US 9718864 W 19971023
- US 73631896 A 19961023
- US 73587396 A 19961023
- US 73588196 A 19961023
- US 73622296 A 19961023
- US 73622196 A 19961023
- US 73587096 A 19961023
- US 73587696 A 19961023
- US 73622096 A 19961023
- US 73631996 A 19961023
- US 73587496 A 19961023
- US 73622896 A 19961023

Abstract (en)
[origin: WO9817267A1] Compounds containing two aromatic systems covalently linked through a linker containing one or more atoms, or "linker" defined as including a covalent bond per se so as to space the aromatic systems at a distance 1.5-15 ANGSTROM , are effective in treating conditions associated with bone deficits. The compounds can be administered to vertebrate subjects alone or in combination with additional agents that promote bone growth or that inhibit bone resorption. They can be screened for activity prior to administration by assessing their ability to effect the transcription of a reporter gene coupled to a promoter associated with a bone morphogenetic protein and/or their ability to stimulate calvarial growth in model animal systems.

IPC 1-7
A61K 31/165; A61K 31/215; A61K 31/33; A61K 31/405; A61K 31/415; A61K 31/42; A61K 31/425; A61K 31/44; A61K 31/47; A61K 31/505; A61K 31/53

IPC 8 full level
A61K 31/00 (2006.01); **A61K 31/136** (2006.01); **A61K 31/192** (2006.01); **A61K 31/196** (2006.01); **A61K 31/215** (2006.01); **A61K 31/4184** (2006.01); **A61K 31/426** (2006.01); **A61K 31/428** (2006.01); **A61K 31/437** (2006.01); **A61K 31/44** (2006.01); **A61K 31/444** (2006.01); **A61K 31/47** (2006.01); **A61K 31/4709** (2006.01); **A61K 31/498** (2006.01); **A61K 31/502** (2006.01); **A61K 31/517** (2006.01); **A61K 31/53** (2006.01); **A61K 31/535** (2006.01); **A61K 31/5415** (2006.01); **A61K 31/549** (2006.01); **A61K 31/655** (2006.01); **A61P 19/08** (2006.01); **A61P 19/10** (2006.01); **C07C 49/84** (2006.01); **C07C 69/92** (2006.01); **C07C 225/32** (2006.01); **C07C 233/55** (2006.01); **C07C 233/59** (2006.01); **C07C 233/80** (2006.01); **C07C 235/38** (2006.01); **C07C 237/20** (2006.01); **C07C 243/22** (2006.01); **C07C 243/32** (2006.01); **C07C 243/34** (2006.01); **C07C 243/38** (2006.01); **C07C 245/08** (2006.01); **C07C 251/20** (2006.01); **C07C 251/28** (2006.01); **C07C 251/48** (2006.01); **C07C 251/66** (2006.01); **C07C 251/86** (2006.01); **C07C 259/10** (2006.01); **C07C 311/39** (2006.01); **C07C 323/62** (2006.01); **C07C 337/06** (2006.01); **C07D 213/53** (2006.01); **C07D 213/76** (2006.01); **C07D 213/78** (2006.01); **C07D 213/85** (2006.01); **C07D 215/12** (2006.01); **C07D 215/38** (2006.01); **C07D 235/08** (2006.01); **C07D 235/22** (2006.01); **C07D 239/74** (2006.01); **C07D 241/42** (2006.01); **C07D 265/16** (2006.01); **C07D 277/20** (2006.01); **C07D 277/56** (2006.01); **C07D 277/64** (2006.01); **C07D 277/82** (2006.01); **C07D 279/16** (2006.01); **C07D 285/16** (2006.01); **C07D 401/06** (2006.01); **C07D 401/12** (2006.01); **C07D 403/04** (2006.01); **C07D 471/04** (2006.01); **C07D 521/00** (2006.01)

CPC (source: EP)
A61K 31/196 (2013.01); **A61K 31/4184** (2013.01); **A61K 31/428** (2013.01); **A61K 31/444** (2013.01); **A61K 31/47** (2013.01); **A61K 31/4709** (2013.01); **A61K 31/498** (2013.01); **A61K 31/517** (2013.01); **A61K 31/53** (2013.01); **A61K 31/655** (2013.01); **A61P 19/08** (2017.12); **A61P 19/10** (2017.12)

Citation (search report)

- [PX] WO 9715308 A1 19970501 - ZYMOGENETICS INC [US], et al
- [E] WO 9748694 A1 19971224 - UNIV TEXAS [US], et al
- [PX] EP 0783888 A1 19970716 - SANKYO CO [JP]
- [PX] EP 0740936 A2 19961106 - ADIR [FR]
- [X] US 4889851 A 19891226 - OKU TERUO [JP], et al
- [XA] GB 2058564 A 19810415 - HORTON J E, et al
- [X] DATABASE WPI Week 198314, Derwent World Patents Index; AN 1983-33820k, XP002228668 & RD-227016 A (10-03-1983)
- See references of WO 9817267A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9817267 A1 19980430; AU 4988997 A 19980515; EP 0973513 A1 20000126; EP 0973513 A4 20030319; JP 2001510450 A 20010731

DOCDB simple family (application)
US 9718864 W 19971023; AU 4988997 A 19971023; EP 97912787 A 19971023; JP 51952998 A 19971023