

Title (en)
VLA-4 INHIBITOR COMPOUNDS

Title (de)
VLA-4 HEMMENDE VERBINDUNGEN

Title (fr)
COMPOSES INHIBITEURS DE VLA-4

Publication
EP 1189612 A1 20020327 (EN)

Application
EP 00945035 A 20000630

Priority
• US 0018079 W 20000630
• US 14160199 P 19990630
• US 14160299 P 19990630
• US 14169299 P 19990630

Abstract (en)
[origin: WO0100206A1] Compounds that selectively inhibit the binding of ligands to alpha 4 beta 1 integrin (VLA-4) and methods for their preparation are disclosed. In one embodiment, compounds of the invention are represented by formula (I). As selective inhibitors of VLA-4 mediated cell adhesion, compounds of the present invention are useful in the treatment of conditions associated with such adhesion, including, but not limited to, such conditions as inflammatory and autoimmune responses, diabetes, asthma, psoriasis, inflammatory bowel disease, transplantation rejection, and tumor metastasis. Also disclosed are methods of inhibiting VLA-4 mediated cell adhesion and methods of treating conditions associated with LA-4 mediated cell adhesion.

IPC 1-7
A61K 31/40; **A61K 31/4025**; **C07D 207/12**; **C07D 207/14**; **C07D 401/12**; **C07D 403/12**

IPC 8 full level
A61K 31/192 (2006.01); **A61K 31/40** (2006.01); **A61K 31/404** (2006.01); **A61K 31/407** (2006.01); **A61K 31/41** (2006.01); **A61K 31/426** (2006.01); **A61K 31/4439** (2006.01); **A61K 31/454** (2006.01); **A61K 31/4709** (2006.01); **A61K 31/496** (2006.01); **A61K 31/5375** (2006.01); **A61P 3/10** (2006.01); **A61P 11/06** (2006.01); **A61P 17/06** (2006.01); **A61P 19/02** (2006.01); **A61P 25/00** (2006.01); **A61P 29/00** (2006.01); **A61P 35/00** (2006.01); **A61P 37/06** (2006.01); **A61P 43/00** (2006.01); **C07C 275/42** (2006.01); **C07C 279/18** (2006.01); **C07C 335/22** (2006.01); **C07D 207/08** (2006.01); **C07D 207/09** (2006.01); **C07D 207/10** (2006.01); **C07D 207/12** (2006.01); **C07D 207/14** (2006.01); **C07D 207/16** (2006.01); **C07D 207/22** (2006.01); **C07D 207/24** (2006.01); **C07D 209/12** (2006.01); **C07D 211/26** (2006.01); **C07D 211/34** (2006.01); **C07D 211/38** (2006.01); **C07D 213/55** (2006.01); **C07D 217/02** (2006.01); **C07D 265/30** (2006.01); **C07D 277/04** (2006.01); **C07D 277/28** (2006.01); **C07D 277/48** (2006.01); **C07D 295/13** (2006.01); **C07D 295/185** (2006.01); **C07D 307/33** (2006.01); **C07D 311/20** (2006.01); **C07D 401/06** (2006.01); **C07D 401/12** (2006.01); **C07D 401/14** (2006.01); **C07D 403/12** (2006.01); **C07D 413/06** (2006.01); **C07D 491/04** (2006.01); **C07D 491/056** (2006.01)

CPC (source: EP)
A61P 3/10 (2017.12); **A61P 11/06** (2017.12); **A61P 17/06** (2017.12); **A61P 19/02** (2017.12); **A61P 25/00** (2017.12); **A61P 29/00** (2017.12); **A61P 35/00** (2017.12); **A61P 35/04** (2017.12); **A61P 37/00** (2017.12); **A61P 37/06** (2017.12); **A61P 43/00** (2017.12); **C07C 275/42** (2013.01); **C07D 207/08** (2013.01); **C07D 207/09** (2013.01); **C07D 207/12** (2013.01); **C07D 207/14** (2013.01); **C07D 207/16** (2013.01); **C07D 207/22** (2013.01); **C07D 207/24** (2013.01); **C07D 209/12** (2013.01); **C07D 211/26** (2013.01); **C07D 211/34** (2013.01); **C07D 211/38** (2013.01); **C07D 213/55** (2013.01); **C07D 217/02** (2013.01); **C07D 277/04** (2013.01); **C07D 277/28** (2013.01); **C07D 277/48** (2013.01); **C07D 295/13** (2013.01); **C07D 295/185** (2013.01); **C07D 307/33** (2013.01); **C07D 311/20** (2013.01); **C07D 401/06** (2013.01); **C07D 401/12** (2013.01); **C07D 401/14** (2013.01); **C07D 413/06** (2013.01); **C07D 491/04** (2013.01); **C07C 2601/02** (2017.04)

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

DOCDB simple family (publication)
WO 0100206 A1 20010104; AR 035011 A1 20040414; AU 5903100 A 20010131; AU 781438 B2 20050526; BR 0012068 A 20020514; CA 2369308 A1 20010104; CN 1391473 A 20030115; EP 1189612 A1 20020327; EP 1189612 A4 20050216; HK 1043318 A1 20020913; IL 146288 A0 20020725; JP 2003503350 A 20030128; MX PA01013406 A 20030904; NO 20016319 D0 20011221; NO 20016319 L 20020228; NO 324892 B1 20071227; TW I283240 B 20070701

DOCDB simple family (application)
US 0018079 W 20000630; AR P000103363 A 20000630; AU 5903100 A 20000630; BR 0012068 A 20000630; CA 2369308 A 20000630; CN 00809510 A 20000630; EP 00945035 A 20000630; HK 02105102 A 20020709; IL 14628800 A 20000630; JP 2001505915 A 20000630; MX PA01013406 A 20000630; NO 20016319 A 20011221; TW 89112968 A 20000630