Title (en)

HETEROCYCLIC AMIDE COMPOUNDS AS CELL ADHESION INHIBITORS

Title (de)

HETEROZYKLISCHE AMIDE ALS ZELLADHÄSIONSHEMMERN

Title (fr)

COMPOSES D'AMIDE HETEROCYCLIQUES UTILISES EN TANT QU'INHIBITEURS DE L'ADHESION CELLULAIRE

Publication

EP 1001764 A4 20050824 (EN)

Application

EP 98926122 A 19980529

Priority

- GB 9714314 A 19970707
- GB 9800686 A 19980114
- US 9810940 W 19980529
- US 4801797 P 19970529
- US 6652597 P 19971125

Abstract (en)

[origin: WO9853814A1] Compounds of formula (I) are antagonists of VLA-4 and/or alpha 4 beta 7, and as such are useful in the inhibition or prevention of cell adhesion and cell-adhesion mediated pathologies. These compounds may be formulated into pharmaceutical compositions and are suitable for use in the treatment of asthma, allergies, inflammation, multiple sclerosis, and other inflammatory and autoimmune disorders.

IPC 1-7

C07F 9/02; A61K 31/405; A61K 31/395; A61K 31/41; A61K 31/415; A61K 31/425; A61K 31/435; A61K 31/445

IPC 8 full level

A61K 38/00 (2006.01); **A61K 31/401** (2006.01); **A61K 31/445** (2006.01); **A61P 1/04** (2006.01); **A61P 9/10** (2006.01); **A61P 11/06** (2006.01); **A61P 25/00** (2006.01); **A61P 37/08** (2006.01); **A61P 43/00** (2006.01); **C07K 5/06** (2006.01); **C07K 5/078** (2006.01)

CPC (source: EP)

A61K 31/401 (2013.01); **A61K 31/445** (2013.01); **A61K 31/472** (2013.01); **A61K 31/4725** (2013.01); **A61P 1/04** (2017.12); **A61P 9/10** (2017.12); **A61P 11/06** (2017.12); **A61P 25/00** (2017.12); **A61P 37/08** (2017.12); **A61P 43/00** (2017.12); **C07K 5/06139** (2013.01); **C07K 5/06165** (2013.01); **C07K 5/06191** (2013.01); A61K 38/00 (2013.01)

Citation (search report)

- [PX] WO 9721690 A1 19970619 - CEPHALON INC [US]
- [X] EP 0443132 A1 19910828 - FUJISAWA PHARMACEUTICAL CO [JP]
- [A] EP 0696593 A2 19960214 - BRISTOL MYERS SQUIBB CO [US]
- [A] US 4350698 A 19820921 - GLEASON JOHN G, et al
- [A] WO 9640641 A1 19961219 - TANABE SEIYAKU CO [JP], et al
- [X] CALCAGNI A ET AL: "Peptides containing the sulfonamide junction: Synthesis, structure, and conformation of Z-Tau-Pro-Phe-NHiPr", BIOPOLYMERS 1997 UNITED STATES, vol. 41, no. 5, 1997, pages 555 - 567, XP002332346, ISSN: 0006-3525
- [A] BYK G ET AL: "Local constrained shifty pseudopeptides inhibitors of ras-farnesyl transferase", BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, OXFORD, GB, vol. 5, no. 22, 16 November 1995 (1995-11-16), pages 2677 - 2682, XP004135213, ISSN: 0960-894X
- [PA] LIN L S ET AL: "Specific and dual antagonists of [alpha]4[beta]1 and [alpha]4[beta]7 integrins", BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS 21 JAN 2002 UNITED KINGDOM, vol. 12, no. 2, 21 January 2002 (2002-01-21), pages 133 - 136, XP002332347, ISSN: 0960-894X
- [PA] LIN L S ET AL: "The discovery of acylated [beta]-amino acids as potent and orally bioavailable VLA-4 antagonists", BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS 25 FEB 2002 UNITED KINGDOM, vol. 12, no. 4, 25 February 2002 (2002-02-25), pages 611 - 614, XP002332348, ISSN: 0960-894X
- [PA] HAGMANN W K ET AL: "The discovery of sulfonylated dipeptides as Potent VLA-4 antagonists", BIOORGANIC AND MEDICINAL CHEMISTRY LETTERS 22 OCT 2001 UNITED KINGDOM, vol. 11, no. 20, 22 October 2001 (2001-10-22), pages 2709 - 2713, XP002332349, ISSN: 0960-894X
- See references of WO 9853814A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9853814 A1 19981203; CA 2291778 A1 19981203; EP 1001764 A1 20000524; EP 1001764 A4 20050824; JP 2002512625 A 20020423

DOCDB simple family (application)

US 9810940 W 19980529; CA 2291778 A 19980529; EP 98926122 A 19980529; JP 50093499 A 19980529