

Title (en)  
METALLOPROTEINASE INHIBITORS

Title (de)  
METALLOPROTEINASE-HEMMER

Title (fr)  
INHIBITEURS DE METALLOPROTEINASES

Publication  
**EP 0944597 A1 19990929 (EN)**

Application  
**EP 97945960 A 19971127**

Priority  

- GB 9703258 W 19971127
- GB 9624817 A 19961128

Abstract (en)  
[origin: WO9823588A1] Compounds of formula (I) wherein R<sub>2</sub> is a group -(Alk)<sub>m</sub>-(Q)n-(Alk<1>)p-Ar wherein m, n and p are independently 0 or 1, Alk and Alk<1> each independently represents a divalent (C<sub>1</sub>-C<sub>3</sub>)alkylene group, Q represents -O-, -S-, -SO-, or -SO<sub>2</sub>-, and Ar represents an optionally substituted phenyl or heteroaryl group; R<sub>1</sub> is hydrogen or acyl; R<sub>21</sub> is a group -(CH<sub>2</sub>)<sub>t</sub>-W wherein t represents 1, 2, 3 or 4 and W represents a 5- or 6-membered N-heterocyclic ring as defined in the specification; Z is either (a) a saturated 5- to 8-membered monocyclic or bridged N-heterocyclic ring as defined in the specification, or (b) a radical of formula (IB) wherein R<sub>3</sub> is the side chain of a natural or non-natural alpha -amino acid in which any functional groups may be protected; R<sub>4</sub> is one of a variety of groups defined in the specification; and R<sub>5</sub> is hydrogen or a (C<sub>1</sub>-C<sub>6</sub>)alkyl group. The compounds are matrix metalloproteinase inhibitors.

IPC 1-7  
**C07D 209/48; C07D 401/12; C07K 5/06; A61K 31/40; A61K 38/00**

IPC 8 full level  
**A61K 31/4453** (2006.01); **A61K 31/454** (2006.01); **A61K 38/00** (2006.01); **A61K 38/55** (2006.01); **A61P 19/00** (2006.01); **A61P 43/00** (2006.01); **C07D 209/48** (2006.01); **C07D 401/12** (2006.01); **C07K 5/06** (2006.01); **C07K 5/065** (2006.01); **C12N 9/99** (2006.01)

CPC (source: EP)  
**A61P 19/00** (2017.12); **A61P 43/00** (2017.12); **C07K 5/0606** (2013.01); **C07K 5/06078** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)  
See references of WO 9823588A1

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 9823588 A1 19980604**; AU 5128298 A 19980622; EP 0944597 A1 19990929; GB 9624817 D0 19970115; JP 2001509790 A 20010724

DOCDB simple family (application)  
**GB 9703258 W 19971127**; AU 5128298 A 19971127; EP 97945960 A 19971127; GB 9624817 A 19961128; JP 52443398 A 19971127