

Title (en)  
CATHEPSIN PROTEASES INHIBITORS

Title (de)  
CATHEPSIN-PROTEASEHEMMER

Title (fr)  
INHIBITEURS DE PROTÉASES DE TYPE CATHEPSINES

Publication  
**EP 2078027 A1 20090715 (EN)**

Application  
**EP 07844341 A 20071017**

Priority  
• US 2007081635 W 20071017  
• US 86250006 P 20061023

Abstract (en)  
[origin: WO2008051763A1] The invention provides compounds (I) and pharmaceutical compositions thereof, and more particularly, bicyclic carbamates, which are useful as cathepsin inhibitors, and methods for using such compounds or pharmaceutically acceptable salts thereof, wherein X is O or S; R<sup>1</sup> is OR<sup>2</sup>, halo, (CR<sub>2</sub>)<sub>n</sub>R<sup>3</sup>, nitro, cyano, amino, anido, sulfonamide, or an optionally substituted C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl, or C<sub>3-6</sub> alkynyl; R<sup>2</sup> is H, (CR<sup>2</sup>)<sub>n</sub>R<sup>3</sup>, or an optionally substituted C<sub>1-6</sub> alkyl, C<sub>2-6</sub> alkenyl or C<sub>3-6</sub> alkynyl; R<sup>3</sup> is an optionally substituted aryl, heteroaryl, carbocyclic ring or heterocyclic ring; m is 1-3; and n is 0-4.

IPC 8 full level  
**C07D 498/08** (2006.01); **A61K 31/395** (2006.01); **A61P 11/06** (2006.01); **A61P 19/02** (2006.01); **A61P 19/10** (2006.01); **A61P 35/00** (2006.01); **A61P 37/00** (2006.01)

CPC (source: EP KR)  
**A61K 31/424** (2013.01 - KR); **A61P 11/06** (2017.12 - EP KR); **A61P 19/02** (2017.12 - EP KR); **A61P 19/10** (2017.12 - EP KR); **A61P 35/00** (2017.12 - EP KR); **A61P 35/04** (2017.12 - EP); **A61P 37/00** (2017.12 - EP); **A61P 37/06** (2017.12 - EP KR); **A61P 43/00** (2017.12 - EP); **C07D 498/08** (2013.01 - EP KR)

Citation (search report)  
See references of WO 2008051763A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008051763 A1 20080502**; AU 2007309195 A1 20080502; BR PI0717348 A2 20131015; CA 2667816 A1 20080502; CN 101589047 A 20091125; EP 2078027 A1 20090715; JP 2010507681 A 20100311; KR 20090064463 A 20090618; MX 2009004290 A 20090727

DOCDB simple family (application)  
**US 2007081635 W 20071017**; AU 2007309195 A 20071017; BR PI0717348 A 20071017; CA 2667816 A 20071017; CN 200780039462 A 20071017; EP 07844341 A 20071017; JP 2009534774 A 20071017; KR 20097008318 A 20090423; MX 2009004290 A 20071017