

Title (en)

HETEROARYL AMIDINES, METHYLAMIDINES AND GUANIDINES AS PROTEASE INHIBITORS

Title (de)

HETEROARYL AMIDINE, METHYLAMIDINE UND GUANIDINE ALS PROTEASE INHIBITOREN

Title (fr)

AMIDINES, METHYLAMIDINES ET GUANIDINES, HETEROARYLES, EN TANT QU'INHIBITEURS DE PROTEASES

Publication

EP 1150979 A1 20011107 (EN)

Application

EP 99943667 A 19990811

Priority

- US 9918065 W 19990811
- US 24706299 A 19990209

Abstract (en)

[origin: WO0047578A1] The present invention is directed to compounds of Formula (I) wherein X is O, S or NR<7> and R<1>-R<7>, Y and Z are set forth in the specification, as well as hydrates, solvates or pharmaceutically acceptable salts thereof. Also described are methods for preparing the compounds of Formula (I). The novel compounds of the present invention are potent inhibitors of proteases, especially trypsin-like serine proteases, such as chymotrypsin, trypsin, plasmin and urokinase. Certain of the compounds exhibit direct, selective inhibition of urokinase, or are intermediates useful for forming compounds having such activity.

IPC 1-7

C07D 417/04; C07D 333/38; C07D 409/04; C07D 413/04; C07D 417/12; C07D 417/14; C07D 409/12; A61K 31/381; A61K 31/426; A61P 43/00

IPC 8 full level

A61K 31/381 (2006.01); **A61K 31/403** (2006.01); **A61K 31/4178** (2006.01); **A61K 31/422** (2006.01); **A61K 31/427** (2006.01); **A61K 31/4436** (2006.01); **A61K 31/4439** (2006.01); **A61K 31/454** (2006.01); **A61K 31/4709** (2006.01); **A61K 31/496** (2006.01); **A61K 31/506** (2006.01); **A61K 31/5377** (2006.01); **A61K 31/745** (2006.01); **A61P 1/18** (2006.01); **A61P 9/10** (2006.01); **A61P 11/00** (2006.01); **A61P 15/00** (2006.01); **A61P 17/02** (2006.01); **A61P 19/06** (2006.01); **A61P 25/16** (2006.01); **A61P 25/28** (2006.01); **A61P 35/00** (2006.01); **A61P 35/04** (2006.01); **A61P 43/00** (2006.01); **C07D 333/38** (2006.01); **C07D 409/04** (2006.01); **C07D 409/12** (2006.01); **C07D 413/04** (2006.01); **C07D 417/04** (2006.01); **C07D 417/12** (2006.01); **C07D 417/14** (2006.01)

CPC (source: EP KR)

A61P 1/18 (2018.01 - EP); **A61P 9/10** (2018.01 - EP); **A61P 11/00** (2018.01 - EP); **A61P 15/00** (2018.01 - EP); **A61P 17/02** (2018.01 - EP); **A61P 19/02** (2018.01 - EP); **A61P 19/06** (2018.01 - EP); **A61P 25/16** (2018.01 - EP); **A61P 25/28** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **A61P 35/04** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **C07D 333/38** (2013.01 - EP KR); **C07D 409/04** (2013.01 - EP KR); **C07D 409/12** (2013.01 - EP KR); **C07D 413/04** (2013.01 - EP KR); **C07D 417/04** (2013.01 - EP KR); **C07D 417/12** (2013.01 - EP KR); **C07D 417/14** (2013.01 - EP KR)

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 0047578 A1 20000817; AU 5671799 A 20000829; BG 105866 A 20020628; BR 9917036 A 20020730; CA 2362390 A1 20000817; CN 1337961 A 20020227; CZ 20012858 A3 20020515; EA 200100882 A1 20020425; EP 1150979 A1 20011107; HU P0201475 A2 20031028; IL 144560 A0 20020523; JP 2002536446 A 20021029; KR 20010098982 A 20011108; MX PA01008084 A 20040910; NO 20013853 D0 20010807; NO 20013853 L 20011009; NO 324887 B1 20071227; NZ 513701 A 20010928; PL 351767 A1 20030616; SK 11422001 A3 20020404; ZA 200106849 B 20021120

DOCDB simple family (application)

US 9918065 W 19990811; AU 5671799 A 19990811; BG 10586601 A 20010901; BR 9917036 A 19990811; CA 2362390 A 19990811; CN 99816415 A 19990811; CZ 20012858 A 19990811; EA 200100882 A 19990811; EP 99943667 A 19990811; HU P0201475 A 19990811; IL 14456099 A 19990811; JP 2000598498 A 19990811; KR 20017010094 A 20010809; MX PA01008084 A 19990811; NO 20013853 A 20010807; NZ 51370199 A 19990811; PL 35176799 A 19990811; SK 11422001 A 19990811; ZA 200106849 A 20010820