

Title (en)

N-PROTECTED AMINES AND THEIR USE AS PRODRUGS

Title (de)

N-GESCHÜTZTE AMINE UND IHRE VERWENDUNG ALS PRODRUGS

Title (fr)

AMINES N-PROTEGE ET LEUR UTILISATION EN TANT QUE PROMEDICAMENTS

Publication

EP 1173414 A1 20020123 (EN)

Application

EP 00925489 A 20000426

Priority

- GB 0001612 W 20000426
- GB 9909612 A 19990426

Abstract (en)

[origin: WO0064864A1] Compounds of formula (I) or (II), wherein X represents H, C1-6 alkyl or C1-6 alkoxy, said alkyl or alkoxy being optionally substituted with one or more groups; a is 0,1,2,3 or 4; Y represents H or C1-6 alkyl; 1, 2 or 3 of the members Z of the 5-membered aromatic ring are independently selected from -O-, -S-, -N= or -NR-, where R is H or C1-6 alkyl optionally substituted with one or more of groups; and E represents a moiety such that EH is an amine; provided that in formula (I) if a = 0 then Y≠H, are provided along with a method of selecting desired protecting groups by measuring the fragmentation rates of compounds of formula (I) or (II) when the nitro group is selected.

IPC 1-7

C07C 271/28; C07C 271/24; C07C 271/20; C07D 219/04; C07D 219/08; C07D 209/60; C07D 233/91; C07D 233/92; C07D 277/66; C07D 307/71; C07D 333/44; C07D 231/16; A61K 31/27; A61K 31/435; A61K 31/40

IPC 8 full level

A61K 31/404 (2006.01); **A61K 31/4155** (2006.01); **A61K 31/4168** (2006.01); **A61K 31/4178** (2006.01); **A61K 31/473** (2006.01); **A61K 31/5377** (2006.01); **A61K 31/704** (2006.01); **A61K 38/44** (2006.01); **A61K 39/395** (2006.01); **A61K 48/00** (2006.01); **A61P 35/00** (2006.01); **C07C 271/20** (2006.01); **C07C 271/28** (2006.01); **C07D 209/60** (2006.01); **C07D 219/04** (2006.01); **C07D 219/08** (2006.01); **C07D 219/10** (2006.01); **C07D 231/16** (2006.01); **C07D 233/91** (2006.01); **C07D 233/92** (2006.01); **C07D 277/66** (2006.01); **C07D 307/71** (2006.01); **C07D 333/44** (2006.01); **C07D 403/14** (2006.01); **C07D 409/14** (2006.01); **C07H 15/252** (2006.01)

CPC (source: EP)

A61P 35/00 (2017.12); **C07C 271/20** (2013.01); **C07C 271/28** (2013.01); **C07D 209/60** (2013.01); **C07D 219/04** (2013.01); **C07D 219/08** (2013.01); **C07D 231/16** (2013.01); **C07D 233/91** (2013.01); **C07D 233/92** (2013.01); **C07D 277/66** (2013.01); **C07D 307/71** (2013.01); **C07D 333/44** (2013.01); **C07C 2603/24** (2017.04); **Y02P 20/55** (2015.11)

Citation (search report)

See references of WO 0064864A1

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 0064864 A1 20001102; **WO 0064864 A9 20011227**; AU 4421100 A 20001110; AU 762914 B2 20030710; CA 2368205 A1 20001102; EP 1173414 A1 20020123; GB 9909612 D0 19990623; JP 2002543059 A 20021217; NZ 515044 A 20030530

DOCDB simple family (application)

GB 0001612 W 20000426; AU 4421100 A 20000426; CA 2368205 A 20000426; EP 00925489 A 20000426; GB 9909612 A 19990426; JP 2000613817 A 20000426; NZ 51504400 A 20000426