

Title (en)
AMINO ACID PRODRUGS

Title (de)
AMINOSÄURE-PRODRUGS

Title (fr)
PRODROGUES A BASE D'ACIDES AMINES

Publication
EP 1660017 A4 20110309 (EN)

Application
EP 04816791 A 20040729

Priority

- US 2004024901 W 20040729
- US 49133103 P 20030729

Abstract (en)
[origin: WO2005046575A2] The present invention is directed to a prodrug comprised of an amino acid bonded to a medicament or drug having a hydroxy, amino, carboxy or acylating derivative thereon. The prodrug has the same utility as the drug from which it is made, but it has enhanced therapeutic properties. In fact, the prodrugs of the present invention enhance at least two therapeutic qualities, as defined herein. The present invention is also directed to pharmaceutical compositions containing same.

IPC 8 full level
A01N 37/18 (2006.01); **A01N 43/42** (2006.01); **A61K 38/00** (2006.01); **C07K 5/06** (2006.01); **C07K 7/64** (2006.01)

IPC 8 main group level
A61K (2006.01)

CPC (source: EP KR)
A61K 38/02 (2013.01 - KR); **A61K 38/13** (2013.01 - EP); **A61K 47/542** (2017.07 - EP); **A61P 3/00** (2017.12 - EP); **A61P 9/00** (2017.12 - EP); **A61P 25/00** (2017.12 - EP); **A61P 29/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07K 5/06191** (2013.01 - EP); **C07K 7/645** (2013.01 - EP); **Y02A 50/30** (2017.12 - EP)

Citation (search report)

- [I] US 2003087803 A1 20030508 - YATVIN MILTON B [US], et al
- [A] US 5411947 A 19950502 - HOSTETLER KARL Y [US], et al
- See references of WO 2005046575A2

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

DOCDB simple family (publication)
WO 2005046575 A2 20050526; WO 2005046575 A3 20071004; AU 2004289174 A1 20050526; AU 2004289174 A2 20050526; AU 2004289174 B2 20110519; CA 2534342 A1 20050526; CA 2534342 C 20160510; CN 101123878 A 20080213; EP 1660017 A2 20060531; EP 1660017 A4 20110309; IL 173382 A0 20060611; JP 2007510621 A 20070426; JP 2013035863 A 20130221; KR 20060073584 A 20060628; KR 20120116991 A 20121023; KR 20130081319 A 20130716; NZ 545570 A 20120727; NZ 601772 A 20121026; NZ 601780 A 20121026; SG 145693 A1 20080929; SG 178721 A1 20120329; ZA 200600660 B 20070425

DOCDB simple family (application)
US 2004024901 W 20040729; AU 2004289174 A 20040729; CA 2534342 A 20040729; CN 200480028222 A 20040729; EP 04816791 A 20040729; IL 17338206 A 20060126; JP 2006522125 A 20040729; JP 2012219487 A 20121001; KR 20067002214 A 20060131; KR 20127022817 A 20040729; KR 20137015399 A 20040729; NZ 54557004 A 20040729; NZ 60177204 A 20040729; NZ 60178004 A 20040729; SG 2008056244 A 20040729; SG 2012005310 A 20040729; ZA 200600660 A 20050123