

Title (en)

HYDROPHILIC (S)-AMLODIPINE SALTS OR THEIR HYDRATES AND PHARMACEUTICAL COMPOSITIONS

Title (de)

HYDROPHILE (S)-AMLODIPINSALZE ODER DEREN HYDRATE UND PHARMAZEUTISCHE ZUSAMMENSETZUNGEN

Title (fr)

SELS HYDROPHILES DE (S)-AMLODIPINE OU LEURS HYDRATES ET COMPOSITIONS PHARMACEUTIQUES

Publication

EP 1458681 A1 20040922 (EN)

Application

EP 02769861 A 20021018

Priority

- CN 0200730 W 20021018
- CN 01140027 A 20011122

Abstract (en)

[origin: WO03043989A1] The compounds of the invention, hydrophilic (S)-amlodipine salts or their hydrates and pharmaceutical compositions, are useful for the treatment of hypertension and angina. The molecular formula of the salt hydrates is $C_{20}H_{25}N_{25}C1 \cdot n>1<X \cdot n>2<H>2<O$, in which, X=organic acids, such as benzene sulfonic acid, aspartic acid, acetic acid, tartaric acid; inorganic acids, such as sulfuric acid and hydrobromic acid; monatomic acid $n>1<=1$, biatomic acid, $n>1<=0.5$; $n>2<=0, 1, 2$. Hydrophilic (S)-amlodipine salts or their hydrates, with a very high bioavailability, can be made into pharmaceutical compositions.

IPC 1-7

C07D 211/90; **A61K 31/44**

IPC 8 full level

A61K 31/4422 (2006.01); **C07D 211/90** (2006.01)

CPC (source: EP KR)

A61K 31/4422 (2013.01 - EP KR); **A61P 9/10** (2017.12 - EP); **A61P 9/12** (2017.12 - EP); **C07D 211/90** (2013.01 - EP KR); **C07B 2200/07** (2013.01 - KR)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

WO 03043989 A1 20030530; AU 2002336032 A1 20030610; CN 1152013 C 20040602; CN 1355162 A 20020626; EP 1458681 A1 20040922; EP 1458681 A4 20050427; KR 20050037498 A 20050422

DOCDB simple family (application)

CN 0200730 W 20021018; AU 2002336032 A 20021018; CN 01140027 A 20011122; EP 02769861 A 20021018; KR 20047007566 A 20040518