

Title (en)

A MULTISTAGE PROCESS FOR THE PREPARATION OF HIGHLY PURE DEFEROXAMINE MESYLATE SALT

Title (de)

MEHRSTUFIGES VERFAHREN ZUR HERSTELLUNG VON HOCHREINEM DEFEROXAMIN-MESYLAT-SALZ

Title (fr)

PROCEDE A ETAPES MULTIPLES POUR LA PREPARATION DE SEL DE DEFEROXAMINE SOUS FORME DE METHANESULFONATE

Publication

EP 1235791 A1 20020904 (EN)

Application

EP 00982299 A 20001130

Priority

- HU P9904454 A 19991201
- US 0032574 W 20001130

Abstract (en)

[origin: WO0140164A1] The present invention provides a purification process whereby deferoxamine B produced by a microorganism and in mixture with other polyhydroxamates produced by the microorganism may be converted into its mesylate salt substantially free of the other polyhydroxamates and substantially free of chloride ion. The process includes adsorption and desorption of the deferoxamine B on an adsorption resin, direct precipitation of the deferoxamine free base out of the eluent from the adsorption resin, contacting of the deferoxamine B free base with methanesulfonic acid and isolation of the deferoxamine B mesylate salt by precipitation. This process minimizes decomposition of deferoxamine B.

IPC 1-7

C07C 259/04; C07C 309/00

CPC (source: EP KR)

C07C 259/06 (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 TR

DOCDB simple family (publication)

WO 0140164 A1 20010607; AU 1935101 A 20010612; CA 2392925 A1 20010607; CN 1433399 A 20030730; CZ 20021823 A3 20030212; EP 1235791 A1 20020904; EP 1235791 A4 20060308; HU 227315 B1 20110328; HU 9904454 D0 20000228; HU P9904454 A2 20010828; JP 2003515579 A 20030507; KR 20020067044 A 20020821; MX PA02005377 A 20021205; PL 355328 A1 20040419; RU 2002114073 A 20040120; SK 7472002 A3 20030304; YU 39602 A 20050719; ZA 200204030 B 20030521

DOCDB simple family (application)

US 0032574 W 20001130; AU 1935101 A 20001130; CA 2392925 A 20001130; CN 00818750 A 20001130; CZ 20021823 A 20001130; EP 00982299 A 20001130; HU P9904454 A 19991201; JP 2001541852 A 20001130; KR 20027007014 A 20020531; MX PA02005377 A 20001130; PL 35532800 A 20001130; RU 2002114073 A 20001130; SK 7472002 A 20001130; YU P39602 A 20001130; ZA 200204030 A 20020521