

Title (en)

PROCESS FOR THE PREPARATION OF 2-CYANOETHYL (4S)-4-(4-CYANO-2-METHOXY-PHENYL)-5-ETHOXY-2,8-DIMETHYL-1,4-DIHYDRO-1,6-NAPHTHYRIDINE-3-CARBOXYLATE BY RESOLUTION OF RACEMATES BY MEANS OF DIASTEREOMERIC TARTARIC ACID ESTERS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON 2-CYANOETHYL (4S)-4-(4-CYANO-2-METHOXY-PHENYL)-5-ETHOXY-2,8-DIMETHYL-1,4-DIHYDRO-1,6-NAPHTHYRIDINE-3-CARBOXYLAT DURCH RACEMAT-SPALTUNG MITTELS DIASTEREOMERER WEINSÄUREESTER

Title (fr)

PROCÉDÉ DE PRÉPARATION DE 2-CYANOÉTHYLE (4S)-4-(4-CYANO-2-MÉTHOXY-PHÉNYL)-5-ÉTHOXY-2,8-DIMÉTHYL-1,4-DIHYDRO-1,6-NAPHTYRIDINE-3-CARBOXYLATE PAR RÉSOLUTION DE RACÉMATES AU MOYEN D'ESTERS D'ACIDE TARTRIQUE DIASTÉRÉOISOMÈRE

Publication

**EP 4045501 A1 20220824 (DE)**

Application

**EP 20789971 A 20201012**

Priority

- EP 19203825 A 20191017
- EP 2020078613 W 20201012

Abstract (en)

[origin: WO2021074078A1] The present invention relates to the diastereomer salts (Va), (Vb), (Vc) and/or (Vd), a process for preparing the diastereomer salts (Va), (Vb), (Vc) and/or (Vd) using a chiral-substituted tartaric acid ester of the formula (IIIa) or (IIIb), a process for preparing the compound according to formula (IVa) using the diastereomer salts (Va), (Vb), (Vc) and/or (Vd), a process for preparing the compound according to formula (VIIa) using the diastereomer salts (Va), (Vb), (Vc) and/or (Vd), a process for preparing the compound according to formula (Ia) using the diastereomer salts (Va), (Vb), (Vc) and/or (Vd), the use of the diastereomer salts (Va), (Vb), (Vc) and/or (Vd) for preparing a compound according to formulae (IVa), (VIIa) and/or (Ia); the use of a chiral-substituted tartaric acid ester of the formulae (IIIa) or (IIIb) for preparing the diastereomer salts (Va), (Vb), (Vc) and/or (Vd), and the use of a chiral-substituted tartaric acid ester of the formulae (IIIa) or (IIIb) for preparing a compound of formulae (IVa), (VIIa) and/or (Ia).

IPC 8 full level

**C07D 47/04** (2006.01); **C07B 57/00** (2006.01); **C07C 59/255** (2006.01)

CPC (source: CN EP IL KR US)

**C07B 57/00** (2013.01 - CN EP IL KR); **C07C 68/00** (2013.01 - US); **C07C 69/70** (2013.01 - EP IL); **C07C 69/78** (2013.01 - US);  
**C07D 47/04** (2013.01 - CN EP IL KR US); **C07B 2200/07** (2013.01 - CN EP IL KR US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2021074078 A1 20210422**; AU 2020367978 A1 20220512; BR 112022005511 A2 20220621; CA 3158166 A1 20210422;  
CN 114698375 A 20220701; CO 2022004446 A2 20220429; CR 20220157 A 20220602; EP 4045501 A1 20220824; IL 292180 A 20220601;  
JO P20220089 A1 20230130; JP 2022553230 A 20221222; KR 20220084103 A 20220621; MX 2022004467 A 20220503;  
PE 20221322 A1 20220909; US 2024199599 A1 20240620

DOCDB simple family (application)

**EP 2020078613 W 20201012**; AU 2020367978 A 20201012; BR 112022005511 A 20201012; CA 3158166 A 20201012;  
CN 202080072478 A 20201012; CO 2022004446 A 20220407; CR 20220157 A 20201012; EP 20789971 A 20201012; IL 29218022 A 20220412;  
JO P20220089 A 20201012; JP 2022522993 A 20201012; KR 20227015998 A 20201012; MX 2022004467 A 20201012;  
PE 2022000583 A 20201012; US 202017769263 A 20201012