

Title (en)

METHOD OF PRODUCING HIGHLY PURE PRASUGREL AND PHARMACEUTICALLY ACCEPTABLE SALTS THEREOF

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HOCHREINEM PRASUGREL UND PHARMAZEUTISCH AKZEPTABLEN SALZEN DARAUS

Title (fr)

PROCÉDÉ DE FABRICATION DE PRASUGREL HAUTEMENT PUR ET DE SES SELS PHARMACEUTIQUEMENT ACCEPTABLES

Publication

EP 2501701 A1 20120926 (EN)

Application

EP 10795910 A 20101112

Priority

- CZ 2009763 A 20091116
- CZ 2010000115 W 20101112

Abstract (en)

[origin: WO2011057592A1] A method for the production of 5-[2-cyclopropyl-1-(2-fluorophenyl)-2-oxoethyl]- 4,5,6,7-tetrahydrothieno[3,2-c]pyridin-2-yl acetate of formula (I) or its salts, characterized in that the compound of formula (III) in the form of a salt with an arene sulfonic acid is reacted with the compound of formula (XV), wherein Y means: chlorine, bromine, or an OR₄ group, wherein R₄ means an alkane sulfonic group or arene sulfonic group, in an organic solvent in the presence of an inorganic base or organic base, to give, after addition of an acetylating reagent and organic base to the reaction mixture, the compound of formula (I), which, after addition of a co-solvent, is crystallized from the reaction mixture, and the compound of formula (I) is optionally purified by crystallization and optionally converted to a salt by reaction with an organic or inorganic acid in a suitable solvent. (Formulae (I), (III), (XV))

IPC 8 full level

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CPC (source: EP)

A61P 7/02 (2017.12); **C07D 495/04** (2013.01)

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