

Title (en)

METHOD FOR PRODUCING HIGHLY PURE CRYSTALLINE 4-AMINO-5,6-DIMETHOXYPYRIMIDINE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON HOCHREINEM, KRISTALLINEM 4-AMINO-5,6-DIMETHOXYPYRIMIDIN

Title (fr)

PROCEDE DE PRODUCTION DE 4-AMINO-5,6-DIMETHOXYPYRIMIDINE CRISTALLINE DE GRANDE PURETE

Publication

**EP 1529036 A1 20050511 (DE)**

Application

**EP 03763777 A 20030709**

Priority

- DE 10231496 A 20020712
- EP 0307446 W 20030709

Abstract (en)

[origin: WO2004007466A1] The invention relates to a method for producing highly pure crystalline 4-amino-5,6-dimethoxypyrimidine by: a) reacting 4-amino-6-chloro-5-methoxypyrimidine with methanol and with a base at a temperature ranging from 20 to 100 DEG C, whereby: b) the methanolic solvent is entirely or partially replaced by water; c) the aqueous or aqueous/methanolic solution is extracted using t-butyl methyl ether, and; d) the extracted product is crystallized out of the t-butyl methyl ether. It has been surprisingly shown that an extremely pure and crystalline 4-amino-5,6-dimethoxypyrimidine can be produced with a high yield by using t-butyl methyl ether as an extracting agent. In addition, the method can be carried out in a comparatively technically simple manner.

IPC 1-7

**C07D 239/52**

IPC 8 full level

**C07D 239/52** (2006.01)

CPC (source: EP)

**C07D 239/52** (2013.01)

Citation (search report)

See references of WO 2004007466A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2004007466 A1 20040122**; AU 2003250930 A1 20040202; DE 10231496 A1 20040205; DE 10231496 B4 20050512; EP 1529036 A1 20050511

DOCDB simple family (application)

**EP 0307446 W 20030709**; AU 2003250930 A 20030709; DE 10231496 A 20020712; EP 03763777 A 20030709