

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

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Application

EP 03763777 A 20030709

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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.

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