

Title (en)  
IMPROVED METHOD FOR PREPARING 3-(10-PHENOTHIAZYL)PROPANOIC OR 3-(10-PHENOXAZYL)PROPANOIC ACID DERIVATIVES

Title (de)  
VERBESSERTES VERFAHREN ZUR HERSTELLUNG VON 3-(10-PHENOTHIAZIN)- ODER 3-(10-PHENOXAZIN)-PROPANSÄURE-DERIVATE

Title (fr)  
PROCEDE AMELIORE POUR LA PREPARATION DE DERIVES DE L'ACIDE 3-(10-PHENOTHIAZYL)PROPANOIQUE OU 3-(10-PHENOXAZYL)PROPANOIQUE

Publication  
**EP 0888318 A1 19990107 (FR)**

Application  
**EP 97914392 A 19970313**

Priority  
• FR 9700453 W 19970313  
• FR 9603171 A 19960313

Abstract (en)  
[origin: WO9733878A1] A method for preparing compounds of formula (I), wherein X, i, j, R1, R2, R3 and R4 are as defined in claim 1, by (i) reacting a derivative of formula (II) with an acrylonitrile derivative of formula (III) in a polar medium consisting of a first organic solvent (1) forming an azeotrope with water or a lower alcohol, and a second polar organic solvent (2), and in the presence of a quaternary ammonium hydroxide catalyst, the boiling point of the second solvent (2) being lower than the boiling point of the first solvent (1); (ii) removing the second solvent (2) by distillation; (iii) adding a sufficient amount of water and/or a lower alcohol to the reaction medium to distil all of the first solvent (1) azeotropically without leaving the reaction medium completely dry and then distilling all of said solvent (1); and (iv) hydrolysing the resulting suspension by adding a strong base or a strong acid to the reaction medium, and optionally converting the resulting carboxylate salt of formula (I) into the corresponding carboxylic acid, is disclosed.

IPC 1-7  
**C07D 279/22**; **C07D 265/38**

IPC 8 full level  
**C07D 265/38** (2006.01); **C07D 277/22** (2006.01); **C07D 279/22** (2006.01)

CPC (source: EP)  
**C07D 265/38** (2013.01); **C07D 277/22** (2013.01)

Citation (search report)  
See references of WO 9733878A1

Designated contracting state (EPC)  
DE DK FR GB IT

DOCDB simple family (publication)  
**WO 9733878 A1 19970918**; EP 0888318 A1 19990107; FR 2746099 A1 19970919; FR 2746099 B1 19980430; JP 2000506184 A 20000523

DOCDB simple family (application)  
**FR 9700453 W 19970313**; EP 97914392 A 19970313; FR 9603171 A 19960313; JP 53234097 A 19970313