

Title (en)  
PREPARATION OF DARIFENACIN AND ITS SALTS

Title (de)  
ZUBEREITUNG VON DARIFENACIN UND SEINEN SALZEN

Title (fr)  
PRÉPARATION DE DARIFÉNACINE ET SES SELS

Publication  
**EP 2109601 A2 20091021 (EN)**

Application  
**EP 08772573 A 20080107**

Priority

- US 2008050388 W 20080107
- IN 34CH2007 A 20070105
- US 89471107 P 20070314
- IN 2060CH2007 A 20070913

Abstract (en)  
[origin: WO2008100651A2] Provided are various processes and compounds related to darifenacin and/or its salts. For example, there is provided a process for preparing a free base of darifenacin: Formula, or the salt thereof, the process including reacting 3-(S)-(cyanodiphenylmethyl)-1-[2-(2,3-dihydrobenzofuran-5-yl) ethyl] pyrrolidine of the Formula (IV), or a salt thereof: Formula (IV) with a base effective to convert the nitrile group of the compound of the Formula (IV) to the amide group of the darifenacin in an organic solvent, the reaction being carried out in the organic solvent, with a proviso that the solvent is not 2-methyl-butan-2-ol, and with further proviso that the reaction produces less than about 0.5 % of the compound of the Formula (Ic): Formula (Ic) in the reaction mass, as measured by HPLC. Various embodiments and variants are provided.

IPC 8 full level  
**C07D 207/06** (2006.01); **C07D 307/79** (2006.01); **C07D 405/06** (2006.01)

CPC (source: EP)  
**C07D 307/79** (2013.01); **C07D 405/06** (2013.01)

Citation (search report)  
See references of WO 2008100651A2

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2008100651 A2 20080821; WO 2008100651 A3 20081120**; EP 2109601 A2 20091021

DOCDB simple family (application)  
**US 2008050388 W 20080107**; EP 08772573 A 20080107