
Declarations under Rule 4.17:
— as to applicant’s entitlement to apply for and be granted a patent (Rule 4.1.7(i))
— as to the applicant’s entitlement to claim the priority of the earlier application (Rule 4.1.7(ii))
— of inventorship (Rule 4A.7(iv))

Published:
— with international search report (Art. 21(3))
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

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(54) Title: PROCESS FOR PREPARATION OF DARIFENACIN AND INTERMEDIATES USED IN THE PROCESS

(57) Abstract: Disclosed herein is a process for the preparation of darifenacin and physiologically acceptable salts thereof. Also disclosed is a compound of formula X: wherein R is linear or branched C n o alkyl, phenyl, tolyl, ortho-, meta- or para- xylyl which is useful as an intermediate in the preparation of darifenacin.
INTERNATIONAL SEARCH REPORT

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A CLASSIFICATION OF SUBJECT MATTER

IPC(8) - C07D 405/00 (201 0.01 )
USPC - 548/525

According to International Patent Classification (IPC) or to both national classification and IPC

B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

USPC-548/525

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

USPC-548/525 and NPL

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWest (US Patent, Google, Google Scholar), danfenacin (tartrate or tartaric) hydromolate salt

C DOCUMENTS CONSIDERED TO BE RELEVANT

Category* Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim


Y US 2007/0203221 A1 (Merli et al) 30 August 2007 (30 08 2007), para [0009]-[0011], [0023], [0036]-[0038], [0035], [0038], [0058], example 2, compound IV, compound V, [0098]-[0099], [0122]-[0126]

Date of the actual completion of the international search

22 January 2010 (22 01 2010)

Date of mailing of the international search report

19 MAY 2010

Form PCT/ISA/210 (second sheet) (July 2009)

* Special categories of cited documents

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