

(51) International Patent Classification:
C07D 307/81 (2006.01)(21) International Application Number:
PCT/HU2012/000021(22) International Filing Date:
27 March 2012 (27.03.2012)

(25) Filing Language: English

(26) Publication Language: English

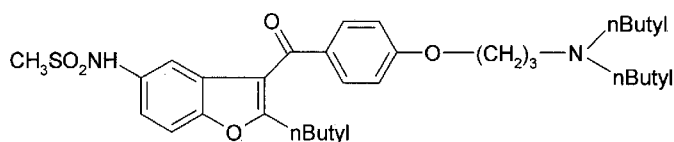
(30) Priority Data:
P11 00166 29 March 2011 (29.03.2011) HU(71) Applicant (for all designated States except US): **SANOFI**
[FR/FR]; 54, rue la Boétie, F-75008 Paris (FR).

(72) Inventors; and

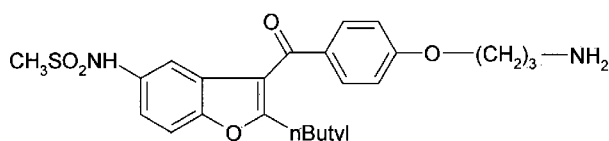
(75) Inventors/Applicants (for US only): **FRIESZ, Antal**
[HU/HU]; c/o Chinoín Gyógyszer és Vegyészeti Termékek
Gyára Zrt., Iparjog, Tó u. 1-5, H-1045 Budapest (HU).
HUSZÁR, Csaba [HU/HU]; c/o Chinoín Gyógyszer és
Vegyészeti Termékek Gyára Zrt., Iparjog, Tó u. 1-5, H-
1045 Budapest (HU).(74) Agent: **SANOFI**; c/o János ÖRI and Dóra TEPFENHÁRT,
Tó u. 1-5, H-1045 Budapest (HU).(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO,
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,
HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD,
SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) Title: REDUCTIVE AMINATION PROCESS FOR PREPARATION OF DRONEDARONE USING AMINE INTERMEDI-
ARY COMPOUND

(I)



(II)

(57) Abstract: The invention relates to a novel process for preparation of dronedarone of formula (I) and pharmaceutically acceptable salts thereof characterized in that a compound of formula (II) is reacted in the presence of a reductive agent with butyraldehyde and/or butanoic acid, and isolating the obtained product and, if desired, converting it into a pharmaceutically acceptable salt thereof. The invention also relates to some novel intermediary compounds and the preparation thereof.