

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
14 August 2008 (14.08.2008)

PCT

(10) International Publication Number
WO 2008/095720 A1

(51) International Patent Classification:
C07D 215/26 (2006.01)

(74) Agent: SRINIVASAN, R., C.; J.A. Kemp & CO., 14
South Square, Gray's Inn, London WC1R 5JJ (GB).

(21) International Application Number:
PCT/EP2008/000975

(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, 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, PG, PH,
PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
ZA, ZM, ZW.

(22) International Filing Date: 8 February 2008 (08.02.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
P200700362 9 February 2007 (09.02.2007) ES

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,
NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): LABO-
RATORIOS ALMIRALL, S.A. [ES/ES]; Ronda Del gen-
eral Mitre 151, E-08022 Barcelona (ES).

(72) Inventors; and

(75) Inventors/Applicants (for US only): PUIG DURAN,
Carlos [ES/ES]; C/Asturias 93, 2^o 2^a, E-08024 Barcelona
(ES). MOYES VALLS, Enrique [ES/ES]; C/Jaume
Piquet 4, E-08017 Barcelona (ES).

Published:

— with international search report

(54) Title: NAPADISYLATE SALT OF 5-(2-([6-(2,2-DIFLUORO-2-PHENYLETHOXY)HEXYL]AMINO)-1-HYDROX-
YETHYL)-8-HYDROXYQUINOLIN-2(1H)-ONE AS AGONIST OF THE BETA 2 ADRENERGIC RECEPTOR

(57) Abstract: The present invention is directed to crystalline mononapadisylate and/or heminapadisylate salt of 5-(2-([6-(2,2-
difluoro-2-phenylethoxy)hexyl]amino)-1-hydroxyethyl)-8- hydroxyquinolin-2(1H)-one and pharmaceutically acceptable solvates
thereof.



WO 2008/095720 A1