

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 July 2004 (29.07.2004)

PCT

(10) International Publication Number
WO 2004/063158 A1

(51) International Patent Classification⁷: **C07D 211/76**

(21) International Application Number:
PCT/EP2004/000008

(22) International Filing Date: 2 January 2004 (02.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/439,152 10 January 2003 (10.01.2003) US

(71) Applicant: **F.HOFFMANN-LA ROCHE AG** [CH/CH];
Grenzacherstrasse 124, CH-4070 Basel (CH).

(72) Inventor: **ELWORTHY, Todd, Richard**; 300 Oak Ridge
Road, Los Gatos, CA 95033 (US).

(74) Agent: **WITTE, Hubert**; Grenzacherstrasse 124,
CH-4070 Basel (CH).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

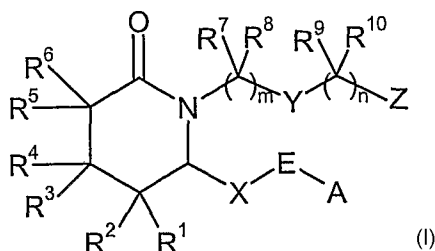
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: 2-PIPERIDONE DERIVATIVES AS PROSTAGLANDIN AGONISTS



(57) Abstract: The invention provides compounds of the Formula (I): wherein m, n, A, X, Y, Z, R1, R2, R4, R6, R7, R8, R9 and R10 are as defined in the description and claims, and pharmaceutically acceptable salts, solvates, pro-drugs, single isomers or racemic or non-racemic mixture of isomers thereof. The invention also provides methods for preparing, compositions comprising, and methods for using compounds of formula I.

WO 2004/063158 A1