

(51) International Patent Classification:
C07D 487/18 (2006.01)(21) International Application Number:
PCT/EP2014/000337(22) International Filing Date:
7 February 2014 (07.02.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13154391.0 7 February 2013 (07.02.2013) EP(71) Applicant: MERCK PATENT GMBH [DE/DE]; Frankfurt
Strasse 250, 64293 Darmstadt (DE).(72) Inventors: JORAND-LEBRUN, Catherine; Chef Lieu,
F-74270 Contamine-Sarzin (FR). KULKARNI, Santosh;
A206, Temple Trees Apartment, JP Nagar 6th Phase, Ban-
galore 78 (IN). CHRISTMANN-FRANCK, Serge; 16 rue
de la Canonniere, 1202 Geneve (CH).

AO, AT, AU, AZ, BA, BB, BG, BH, BN, 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, IR, IS, JP, KE, KG, 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, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
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.

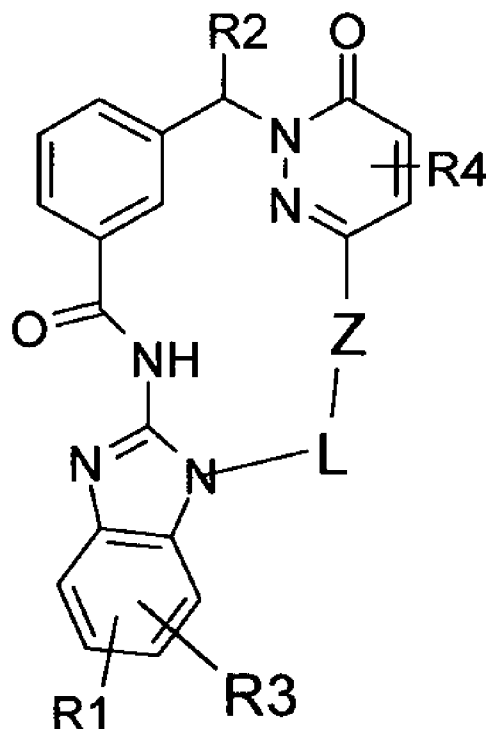
(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, 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,
KM, ML, MR, NE, SN, TD, TG).

Published:

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

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

(54) Title: MACROCYCLIC PYRIDAZINONE DERIVATIVES



(I)

(57) Abstract: The present invention relates to compounds
of formula (I) Wherein R1, R2, R3, R4, L and Z have the
meaning given in claim 1, and their use in the prophylaxis
and treatment of diseases.