



(51) International Patent Classification:

A61K 31/5025 (2006.01) *C07D 513/18* (2006.01)
A61K 31/519 (2006.01) *C07D 515/18* (2006.01)
A61K 31/5377 (2006.01) *A61P 29/00* (2006.01)
C07D 471/22 (2006.01) *A61P 11/06* (2006.01)
C07D 487/18 (2006.01) *A61P 1/00* (2006.01)
C07D 487/22 (2006.01) *A61P 19/02* (2006.01)
C07D 498/18 (2006.01) *A61P 17/06* (2006.01)
C07D 498/22 (2006.01)

(21) International Application Number:

PCT/EP2014/055139

(22) International Filing Date:

14 March 2014 (14.03.2014)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

PCT/EP2013/066732 15 March 2013 (15.03.2013) EP
1304714.7 15 March 2013 (15.03.2013) GB

(71) Applicant: **ONCODESIGN S.A** [FR/FR]; 20, Rue Jean
Mazen B.P. 27 627, F-21076 Dijon Cedex (FR).

(72) Inventors: **BLOM, Petra, Marcella, Françoise**; Asclepia
Medchem Solutions BVBA, Damvalleistraat 49, B-9070
Destelbergen (BE). **HOFLACK, Jan, Marie Cyriel Jozef**;
Pharmopsis BVBA, Rode-Kruislaan 32, B-2390 Westmalle
(BE). **BENDERITTER, Pascal, André, René**; 18, Rue
Marie de Bourgogne, F-21850 St. Apollinaire (FR).

(74) Agent: **LAENEN, Bart**; Crutzenstraat 26, B-3500 Hasselt
(BE).

(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, 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).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the
earlier application (Rule 4.17(iii))
- of inventorship (Rule 4.17(iv))

Published:

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

(54) Title: MACROCYCLIC RIP2 KINASE INHIBITORS

(57) Abstract: The present invention relates to macrocyclic compounds and compositions containing said compounds acting as kinase inhibitors, in particular as inhibitors of RIP2 and/or mutants thereof, for use in the diagnosis, prevention and/or treatment of RIP2-kinase associated diseases. Moreover, the present invention provides methods of using said compounds, for instance as a medicine or diagnostic agent.

