

(43) International Publication Date
15 August 2013 (15.08.2013)

(51) International Patent Classification:

C07D 405/14 (2006.01) A61P 31/12 (2006.01)
A61K 31/4178 (2006.01)

(21) International Application Number:

PCT/IB2013/051062

(22) International Filing Date:

8 February 2013 (08.02.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

147/KOL/2012 10 February 2012 (10.02.2012) IN
1017/KOL/2012 4 September 2012 (04.09.2012) IN

(71) Applicant: LUPIN LIMITED [IN/IN]; 159 CST Road, Kalina, Santacruz (East), State of Maharashtra, India., Mumbai 400 098 (IN).

(72) Inventors: RAMDAS, Vidya; Lupin Limited (Research Park), 46A / 47A, Nande Village, Taluka, Mulshi, India., Pune 411 042 (IN). JOSHI, Advait, Arun; Lupin Limited (Research Park), 46A / 47A, Nande Village, Taluka, Mulshi, India., Pune 411 042 (IN). BANERJEE, Moloy, Manoj; Lupin Limited (Research Park), 46A / 47A, Nande Village, Taluka, Mulshi, India., Pune 411 042 (IN). DAS, Amit, Kumar; Lupin Limited (Research Park), 46A / 47A, Nande Village, Taluka, Mulshi, India., Pune 411 042 (IN). WALKER, Deepak, Sahebrao; Lupin Limited (Research Park), 46A / 47A, Nande Village, Taluka, Mulshi, India., Pune 411 042 (IN). PALLE, Venkata, P.; Lupin Limited (Research Park), 46A / 47A, Nande Village, Taluka, Mulshi, India., Pune 411 042 (IN). KAMBOJ, Rajender,

Kumar; Lupin Limited (Research Park), 46A / 47A, Nande Village, Taluka, Mulshi, India., Pune 411 042 (IN).

(74) Agents: MAJUMDAR, Subhatoosh et al.; S MAJUMDAR & CO., 5, Harish Mukherjee Road, Kolkata 700 025 (IN).

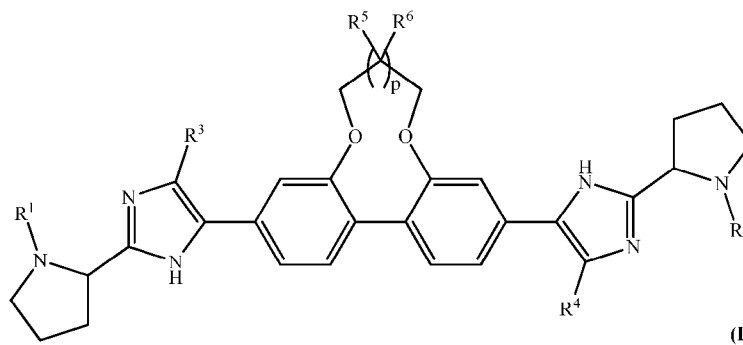
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, 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, PA, 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, 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))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(54) Title: ANTIVIRAL COMPOUNDS WITH A DIBENZOOXAHETEROCYCLE MOIETY



(57) Abstract: Disclosed are compounds of formula (I) for use as antiviral agents, particularly as anti-hepatitis virus C agents, wherein R -R 6 and q are as described herein. Also disclosed are pharmaceutical compositions and methods of treating or preventing viral infection in a host by the use of these compounds, either alone or in combination with other pharmaceutically active agents. Further disclosed are methods of preparing such compounds.(I).