(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
3 December 2009 (03.12.2009)

PCT

(10) International Publication Number
WO 2009/143571 A1

(51) International Patent Classification:
C07D 413/14 (2006.01) *A61K 31/444* (2006.01)
A61K 31/423 (2006.01) *A61P 31/16* (2006.01)
A61K 31/50 (2006.01)

(21) International Application Number:
PCT/AU2009/000663

(22) International Filing Date:
27 May 2009 (27.05.2009)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
61/056,341 27 May 2008 (27.05.2008) US

(71) Applicant *(for all designated States except US)*: **BIOTA SCIENTIFIC MANAGEMENT PTY LTD** [AU/AU]; 10/585 Blackburn Road, Notting Hill, Victoria 3168 (AU).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **RYAN, Jane** [AU/AU]; C/- Biota Scientific Management Pty Ltd, 10/585 Blackburn Road, Notting Hill, Victoria 3168 (AU). **BUTT, Margaret Anne** [AU/AU]; 98 Gentle Annie Lane, Whitfield, Victoria 3733 (AU).

(74) Agents: **ROBERTS, Mark K** et al.; Davies Collison Cave, 1 Nicholson Street, Melbourne, Victoria 3000 (AU).

(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, ST, SV, SY, 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, 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, MK, 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).

Published:

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

WO 2009/143571 A1

(54) Title: ANTIVIRAL SALTS

(57) Abstract: This invention relates to antiviral agents, in particular to salts useful in the treatment of infections caused by Picornaviridae, such as human rhinovirus (HRV) and methods for their preparation. The invention also relates to the use of these salts in the treatment of picornavirus infections. The salts of this invention are especially suitable for use in the treatment of HRV, however it is to be understood that the invention is also applicable to other viruses of the picornavirus family.