

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 December 2004 (29.12.2004)

PCT

(10) International Publication Number
WO 2004/112687 A2

(51) International Patent Classification⁷:

A61K

(74) Agent: **SHELSTON IP**; 60 Margaret Street, Sydney NSW 2000 (AU).

(21) International Application Number:

PCT/AU2004/000866

(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.

(22) International Filing Date: 26 June 2004 (26.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

2003903251	26 June 2003 (26.06.2003)	AU
2003903850	25 July 2003 (25.07.2003)	AU
2003904692	29 August 2003 (29.08.2003)	AU
2004902902	31 May 2004 (31.05.2004)	AU

(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, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) **Applicant** (*for all designated States except US*): **BIOTRON LIMITED** [AU/AU]; LPO Box A315, Australian National University, Australian Capital Territory, 2601 (AU).

(72) **Inventors; and**

(75) **Inventors/Applicants** (*for US only*): **GAGE, Peter, William** [AU/AU]; RMB 22, Powell Drive, Via Queanbeyan, NSW 2620 (AU). **EWART, Gary, Dinneen** [AU/AU]; 189 Phillip Avenue, Hackett, ACT 2602 (AU). **WILSON, Lauren, Elizabeth** [AU/AU]; 16 Ebden Street, Ainslie, ACT 2602 (AU). **BEST, Wayne** [AU/AU]; 4 Mimy Court, Gosnells, Western Australia 6110 (AU). **PREMKUMAR, Anita** [AU/AU]; 116 Kelleway Avenue, Nicholls, ACT 2915 (AU).

Declaration under Rule 4.17:

— *of inventorship (Rule 4.17(iv)) for US only*

Published:

— *without international search report and to be republished upon receipt of that report*

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

(54) **Title:** ANTIVIRAL COMPOUNDS AND METHODS

(57) **Abstract:** The invention relates to compounds having antiviral activity and methods utilising the compounds to treat viral infections.



WO 2004/112687 A2