

19/08/03
2003054483

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 September 2002 (06.09.2002)

PCT

(10) International Publication Number
WO 02/067859 A3

- (51) International Patent Classification⁷: **A61K 51/00**, A61M 36/14
- (21) International Application Number: PCT/US02/05155
- (22) International Filing Date: 22 February 2002 (22.02.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/271,389 26 February 2001 (26.02.2001) US
- (71) Applicant: **BRISTOL-MYERS SQUIBB PHARMA COMPANY** [US/US]; Patent Department, P.O. Box 4000, Princeton, NJ 08543-4000 (US).
- (72) Inventor: **LIU, Shuang**; 17 Judith Road, Chelmsford, MA 01824 (US).
- (74) Agents: **DOLAN, Peter, L.** et al.; Patent Department, P.O. Box 4000, Princeton, NJ 08543-4000 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, 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, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report:
28 November 2002
- 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.*



162162



ACTION

WO 02/067859 A3

(54) Title: ASCORBIC ACID ANALOGS FOR METALLORADIOPHARMACEUTICALS

(57) Abstract: The invention relates to the use of ascorbic acid analogs as buffering reagents and chelating agents for the preparation of metalloradiopharmaceuticals. Also, invention relates to the use of ascorbic acid as a buffering reagent, a chelating agent, and a stabilizer for the preparation and stabilization of radiopharmaceuticals and processes for making and using the same.