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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
12 August 2004 (12.08.2004)

PCT

(10) International Publication Number
WO 2004/067005 A1

(51) International Patent Classification[7]: A61K 31/4747, 9/08

(21) International Application Number: PCT/EP2004/000888

(22) International Filing Date: 30 January 2004 (30.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/444,351 30 January 2003 (30.01.2003) US

(71) Applicant *(for all designated States except US)*: **HELSINN HEALTHCARE SA** [CH/CH]; P. O. Box 357, CH-6915 Pambio-Noranco (CH).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CALDERARI, Giorgio** [CH/CH]; Via Scer, CH-6862 Rancate (CH). **BONADEO, Daniele** [IT/IT]; Via Ronco Capo Caccia, 32, Casalzuigno, I-21030 Varese (IT). **CANNELLA, Roberta** [IT/IT]; Via Europa, 50, Morazzone, I-21040 Varese (IT). **BRAGLIA, Enrico** [CH/CH]; Via Pian Scairolo 9, CH-6912 Pazzallo (CH). **BRAGLIA, Riccardo** [CH/CH]; Via Pian Scairolo 9, CH-6912 Pazzallo (CH).

(74) Agent: **LEISSLER-GERSTL, Gabriele**; Eisenführ, Speiser & Partner, Arnulfstrasse 25, 80335 München (DE).

(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.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, 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, 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*

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: LIQUID PHARMACEUTICAL FORMULATIONS OF PALONOSETRON

(57) Abstract: The present invention relates to shelf-stable liquid formulations of palonosetron for reducing chemotherapy and radiotherapy induced emesis with palonosetron. The formulations are particularly useful in the preparation of intravenous and oral liquid medicaments.

WO 2004/067005 A1