

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
26 April 2001 (26.04.2001)

PCT

(10) International Publication Number
WO 01/28558 A1

(51) International Patent Classification⁷: **A61K 31/44,**
47/30

(21) International Application Number: **PCT/SE00/01992**

(22) International Filing Date: **13 October 2000 (13.10.2000)**

(25) Filing Language: **English**

(26) Publication Language: **English**

(30) Priority Data:
9903831-7 **22 October 1999 (22.10.1999)** **SE**

(71) Applicant (for all designated States except US): **ASTRAZENECA AB [SE/SE]; S-151 85 Södertälje (SE).**

(72) Inventor; and

(75) Inventor/Applicant (for US only): **BRÜLLS, Mikael**
[SE/SE]; AstraZeneca R & D Mölndal, S-431 83 Mölndal (SE).

(74) Agent: **ASTRAZENECA AB; Global Intellectual Prop-**
erty, Patents, S-151 85 Södertälje (SE).

(81) Designated States (national): **AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, 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, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.**

(84) Designated States (regional): **ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, 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), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).**

Published:

- *With international search report.*
- *Before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments.*

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: **FORMULATION OF SUBSTITUTED BENZIMIDAZOLES**

(57) Abstract: The present invention relates to stable liquid formulations that comprise a water free or almost water free, polyethylene glycol solution of sodium or potassium salt of a H^+ , K^+ -ATPase inhibitor of formula (I) or a sodium or potassium salt of one single enantiomer thereof. Alternatively, the sodium or potassium salt of the H^+ , K^+ -ATPase inhibitor may be formed *in situ* in the polyethylene glycol solution by adding sodium or potassium hydroxide together and the active compound. The invention is also directed to the preparation of the claimed formulation, use of the stable liquid formulations in medicine and in the treatment of gastrointestinal diseases.