

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/064736 A3

- (51) International Patent Classification⁷: **A61K 31/70**, G01N 33/567, C12Q 1/06
- (21) International Application Number: PCT/US2004/001146
- (22) International Filing Date: 16 January 2004 (16.01.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
- | | | |
|------------|------------------------------|----|
| 60/441,110 | 17 January 2003 (17.01.2003) | US |
| 60/442,344 | 23 January 2003 (23.01.2003) | US |
| 60/458,663 | 28 March 2003 (28.03.2003) | US |
| 60/458,665 | 28 March 2003 (28.03.2003) | US |
| 60/458,846 | 28 March 2003 (28.03.2003) | US |
| 60/460,012 | 2 April 2003 (02.04.2003) | US |
| 60/472,907 | 22 May 2003 (22.05.2003) | US |
| 60/488,265 | 18 July 2003 (18.07.2003) | US |
| 60/496,163 | 18 August 2003 (18.08.2003) | US |
- (71) Applicant (for all designated States except US): **THRESHOLD PHARMACEUTICALS, INC.** [US/US]; 951 Gateway Blvd., Suite 3A, South San Francisco, CA 94080 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **TIDMARSH, George** [US/US]; 45 Tintern Lane, Portola Valley, CA 94028 (US). **SELICK, Harold, E.** [US/US]; 11 Somerset Ct., Belmont, CA 94002 (US). **MENG, Fanying** [US/US]; 783 Sweeny Street, San Francisco, CA 94134 (US).
- (74) Agent: **APPLE, Randolph, T.**; Townsend & Townsend and Crew LLP, Two Embarcadero Center, 8th floor, San Francisco, CA 94111-3834 (US).
- (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
 - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (88) Date of publication of the international search report: 6 May 2005
- 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: TREATMENT OF BENIGN PROSTATIC HYPERPLASIA USING ENERGOLYTIC AGENTS

(57) Abstract: The invention provides a method for treatment or prophylaxis of benign prostatic hyperplasia by administration of an agent that interferes with energy metabolism, particularly the production of ATP and NADH/NADPH, in prostate epithelial cells.



WO 2004/064736 A3