

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
21 August 2008 (21.08.2008)

PCT

(10) International Publication Number
WO 2008/100926 A1

(51) International Patent Classification:

A01N 43/32 (2006.01) A61K 31/47 (2006.01)

(21) International Application Number:

PCT/US2008/053710

(22) International Filing Date:

12 February 2008 (12.02.2008)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/889,369 12 February 2007 (12.02.2007) US

(71) Applicant (for all designated States except US): **DMI BIOSCIENCES, INC.** [US/US]; 1999 North Fitzsimons Parkway, Suite 100, Aurora, CO 80045 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **WINKLER, James, V.** [US/US]; 800 Washington Street #909, Denver, CO 80203 (US). **BILYARD, Kevin** [GB/GB]; 22 Broad Walk,

Wilmslow, Cheshire SK9 5PL (GB). **BAR-OR, David** [US/US]; 900 E. Oxford Lane, Englewood, CO 80110 (US).

(74) Agents: **KOVARIK, Joseph, E.** et al.; Sheridan Ross P.c., 1560 Broadway, Suite 1200, Denver, CO 80202 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(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,

[Continued on next page]

(54) Title: TREATMENT OF COMORBID PREMATURE EJACULATION AND ERECTILE DYSFUNCTION

(57) Abstract: The invention provides a method of treating comorbid premature ejaculation and erectile dysfunction. In particular, the method comprises administering an effective amount of a tramadol material and an effective amount of a phosphodiesterase inhibitor. The invention also provides a pharmaceutical composition comprising a pharmaceutically-acceptable carrier, a tramadol material and a phosphodiesterase inhibitor. The invention further provides a kit comprising a tramadol material and a phosphodiesterase inhibitor.

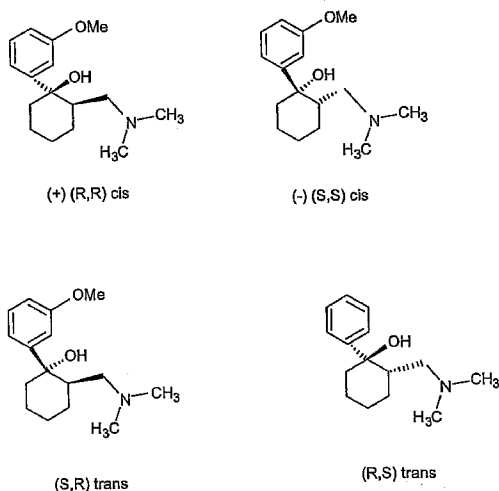


Fig.1



FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL,
NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG,
CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments*

Published:

— *with international search report*