

(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)

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

(21) International Application Number:
PCT/US2008/053710

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

(22) International Filing Date:
12 February 2008 (12.02.2008)

(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.

(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).

(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,

(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,

[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.

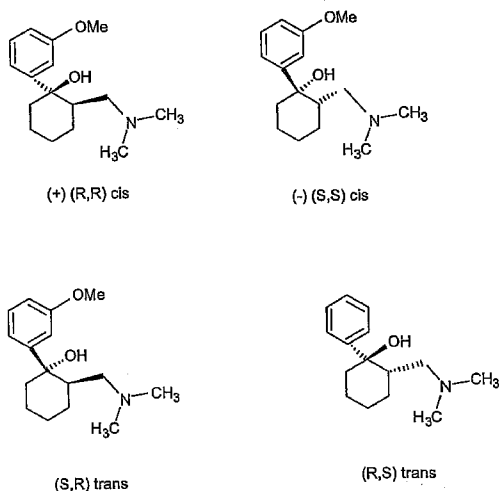


Fig.1



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*