



(51) International Patent Classification:

C07D 487/18 (2006.01) **A61K 31/55** (2006.01)
C07D 487/04 (2006.01)

(21) International Application Number:

PCT/US2012/022255

(22) International Filing Date:

23 January 2012 (23.01.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/436,511	26 January 2011 (26.01.2011)	US
61/453,884	17 March 2011 (17.03.2011)	US
61/454,904	21 March 2011 (21.03.2011)	US

(71) Applicant (for all designated States except US): **DE-MERX, INC.** [US/US]; 440 Biscayne Boulevard, Suite 580, Miami, Florida 33137 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MASH, Deborah C.** [US/US]; c/o DemeRx, Inc., 440 Biscayne Boulevard, Suite 580, Miami, Florida 33137 (US). **MORIARTY, Robert M.** [US/US]; c/o DemeRx, Inc., 440 Biscayne Boulevard, Suite 580, Miami, Florida 33137 (US). **GLESS, Richard D.** [US/US]; c/o DemeRx, Inc., 440 Biscayne Boulevard, Suite 580, Miami, Florida 33137 (US).

(74) Agents: **SWISS, Gerald F.** et al.; Foley & Lardner LLP, 975 Page Mill Road, Palo Alto, California 94304 (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, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, 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, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

Published:

— without international search report and to be republished upon receipt of that report (Rule 48.2(g))

(54) Title: METHODS AND COMPOSITIONS FOR PREPARING NORIBOGAINE FROM VOACANGINE

(57) Abstract: Disclosed are methods and compositions for preparing and purifying the non-addictive alkaloid noribogaine.

