(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
12 February 2009 (12.02.2009)

PCT

(10) International Publication Number
WO 2009/021055 A1

(51) International Patent Classification:
A01N 43/50 (2006.01) *A61K 31/415* (2006.01)

(21) International Application Number:
PCT/US2008/072357

(22) International Filing Date: 6 August 2008 (06.08.2008)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/935,323	6 August 2007 (06.08.2007)	US
60/956,555	17 August 2007 (17.08.2007)	US
60/960,591	4 October 2007 (04.10.2007)	US

(71) Applicant *(for all designated States except US)*: **SYNOSIA THERAPEUTICS, INC.** [US/US]; 601 Gateway Boulevard, Suite 1200, South San Francisco, CA 94080 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **WOIWODE, Tom** [US/US]; c/o Synosia Therapeutics, Inc., 601 Gateway Boulevard, Suite 1200, South San Francisco, CA 94080 (US). **MORAN, Mark** [US/US]; c/o Synosia Therapeutics, Inc., 601 Gateway Boulevard, Suite 1200, South San Francisco, CA 94080 (US). **PICKFORD, Lesley** [US/US]; c/o Synosia Therapeutics, 601 Gateway Boulevard, Suite 1200, South San Francisco, CA 94080 (US).

(74) Agents: **BANAIT, Narinder, S.** et al.; Fenwick & West LLP, Silicon Valley Center, 801 California Street, Mountain View, CA 94041 (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, ST, 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, 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).

Published:
— *with international search report*

WO 2009/021055 A1

(54) Title: METHODS FOR TREATING DEPENDENCE

(57) Abstract: Provided are methods of treating patients suffering from or susceptible to at least one symptom of abuse of, dependence on, or withdrawal from at least one substance with Compound A. Also provided are methods of treating at least one phase of substance dependence on at least one substance in patients and certain methods of treating at least one phase of cocaine dependence in patients.