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(71) Applicant *(for all designated States except US)*: **TARGACEPT, INC.** [US/US]; 200 East First Street, Suite 300, Winston-Salem, North Carolina 27101 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **BHATTI, Balwinder, Singh** [US/US]; 2536 Polo Road, Winston-Salem, North Carolina 27106 (US). **GATTO, Gregory, J.** [US/US]; 1148 S. Hawthorne Road, Winston-Salem, North Carolina 27103-4302 (US). **KLUCIK, Jozef** [US/US]; 9071 Chancerwood Drive, Rural Hall, North Carolina 27045 (US).

(74) Agent: **MASSEY, Carl, B., Jr.**; Womble Carlyle Sandridge & Rice, PLLC, P.O. Box 7037, Atlanta, GA 30357-0037 (US).

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(54) Title: THE USE OF N-ARYL DIAZASPIRACYCLIC COMPOUNDS IN THE TREATMENT OF ADDICTION

(57) Abstract: Compounds, compositions and methods for treating drug addiction, nicotine addiction, and/or obesity are disclosed. The compounds are N-aryl diazaspirocyclic compounds, bridged analogs of N-heteraryl diazaspirocyclic compounds, or prodrugs or metabolites of these compounds. The aryl group can be a five- or six-membered heterocyclic ring (heteroaryl). The compounds are effective at inhibiting dopamine production and/or secretion, and accordingly are effective at inhibiting the physiological "reward" process that is associated with ingestion of nicotine and/or illicit drugs. The compounds and compositions can be administered in effective amounts to inhibit dopamine release, wihout resulting in appreciable adverse side effects (e.g., side effects such as significant increases in blood pressure and heart rate, significant negative effects upon the gastro-intestinal tract, and significant effects upon skeletal muscle).

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