

CORRECTED VERSION

(19) World Intellectual Property Organization International Bureau



(10) International Publication Number WO 2018/208793 A8

(43) International Publication Date 15 November 2018 (15.11.2018)

- (51) International Patent Classification: A61K 38/06 (2006.01) A61K 45/06 (2006.01)
(21) International Application Number: PCT/US2018/031622
(22) International Filing Date: 08 May 2018 (08.05.2018)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data: 62/503,108 08 May 2017 (08.05.2017) US

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, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, 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, KM, ML, MR, NE, SN, TD, TG).

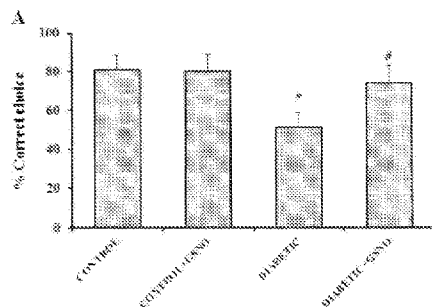
Published: with international search report (Art. 21(3))

(48) Date of publication of this corrected version: 17 January 2019 (17.01.2019)

(15) Information about Correction: see Notice of 17 January 2019 (17.01.2019)

- (71) Applicants: MUSC FOUNDATION FOR RESEARCH DEVELOPMENT [US/US]; 135 Cannon Street, Suite 101L, Charleston, SC 29425 (US). DEPARTMENT OF VETERANS AFFAIRS [US/US]; 810 Vermont Avenue NW, Washington, DC 20420 (US).
(72) Inventors: SINGH, Inderjit; c/o Medical University of South Carolina, 173 Ashley Ave., Room CR 509, Charleston, SC 29425 (US). SINGH, Avtar K.; c/o Medical University of South Carolina, 173 Ashley Ave., Room CR 513, Charleston, SC 29425 (US).
(74) Agent: BYRD, Marshall P.; Parker Highlander PLLC, 1120 S. Capital of Texas Highway, Bldg. One, Suite 200, Austin, TX 78746 (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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,

(54) Title: S-NITROSOGLUTATHIONE (GSNO) AND GSNO REDUCTASE INHIBITORS FOR USE IN THERAPY



(57) Abstract: The present disclosure provides methods for the treatment of neurological deficits by the administration of GSNO or GSNO reductase inhibitor. Further provided herein are methods of treating autoimmune diseases by administering GSNO or GSNO reductase inhibitor.



WO 2018/208793 A8