



(51) International Patent Classification:

A61K 31/122 (2006.01) A61K 31/366 (2006.01)

(21) International Application Number:

PCT/US2024/019228

(22) International Filing Date:

08 March 2024 (08.03.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/489,625	10 March 2023 (10.03.2023)	US
63/508,827	16 June 2023 (16.06.2023)	US

(71) Applicant: **BRIGHTSEED, INC.** [US/US]; 201 Haskins Way, South San Francisco, California 94080 (US).

(72) Inventors: **WOODWARD, Nicholas**; 201 Haskins Way, South San Francisco, California 94080 (US). **WANG, Chuan**; 201 Haskins Way, South San Francisco, California 94080 (US). **CHEMMAMA, Ilan Edmond**; 201 Haskins Way, South San Francisco, California 94080 (US). **CHANKHAMJON, Pranatchareeya**; 201 Haskins Way,

South San Francisco, California 94080 (US). **XU, Meng**; 201 Haskins Way, South San Francisco, California 94080 (US). **CHAE, Lee Heil**; 201 Haskins Way, South San Francisco, California 94080 (US).

(74) Agent: **LOZAN, Vladimir Sergey**; 2040 Main Street, 14th Floor, Irvine, California 92614 (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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST,

(54) Title: COMPOSITIONS AND METHODS FOR MODULATING STRESS AND USES THEREOF

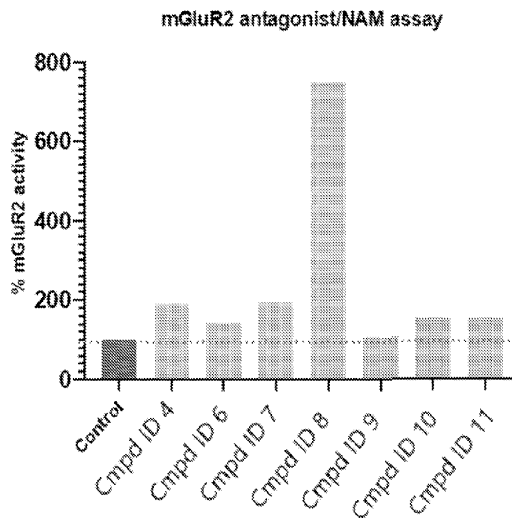


FIG. 4

(57) Abstract: Disclosed herein are compositions and methods for treating, preventing, reducing, modulating, or ameliorating stress, symptoms of stress, or deleterious effects of chronic stress, by providing the composition and a carrier. The methods may include, for example, administering a therapeutically effective compound of a plant extract. The compositions and methods may be capable of modulating mGlu2 and/or mGlu3 receptors.

[Continued on next page]

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, ME, 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).

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *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))*