

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
20 April 2023 (20.04.2023)



(10) International Publication Number
WO 2023/064511 A1

(51) International Patent Classification:

A23L 33/10 (2016.01) A23L 33/105 (2016.01)
A23L 33/15 (2016.01) A61K 31/395 (2006.01)
A61K 31/33 (2006.01)

Published:

- with international search report (Art. 21(3))
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))

(21) International Application Number:

PCT/US2022/046630

(22) International Filing Date:

13 October 2022 (13.10.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/255,309 13 October 2021 (13.10.2021) US
63/255,327 13 October 2021 (13.10.2021) US

(71) Applicant: **INGENIOUS INGREDIENTS, LP** [US/US];
2560 King Arthur BLVD, Suite 124-74, Lewisville, Texas
75056 (US).

(72) Inventors: **WELLS, Shawn**; 20025 Fiddlers Green Road,
Frisco, Texas 75036 (US). **JÄGER, Ralf**; 730 E. Carlisle
Ave., Whitefish Bay, Wisconsin 53217 (US). **PURPURA,
Martin**; 38 W. Majestic Woods Pl., The Woodlands, Texas
77382 (US). **LIAO, Kylin**; 7700 Windrose Ave., Suite
G300, Plano, Texas 75024 (US).

(74) Agent: **CORYELL, Matthew**; 215 10th Street, Suite 1300,
Des Moines, Iowa 50309 (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, 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, 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, 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).

(54) Title: PARAXANTHINE-BASED BIOACTIVE COMPOSITION AND METHOD OF USE THEREOF

(57) Abstract: The disclosed compositions, and methods relate to compositions for human consumption and comprising paraxanthine and a cholinergic agent and/or theanine. The disclosed compositions are useful promoting cognitive function, energy, athletic performance and providing neuroprotective anti-oxidative effects.

WO 2023/064511 A1