

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
16 September 2021 (16.09.2021)



(10) International Publication Number
WO 2021/183848 A1

(51) International Patent Classification:
A23L 2/60 (2006.01)

(21) International Application Number:
PCT/US2021/022055

(22) International Filing Date:
12 March 2021 (12.03.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
62/989,034 13 March 2020 (13.03.2020) US

(71) Applicant: **AMYRIS, INC.** [US/US]; 5885 Hollis Street,
Suite 100, Emeryville, CA 94608 (US).

(72) Inventors: **HERRMANN, Stanley, W.**; 5885 Hollis
Street, Suite 100, Emeryville, CA 94608 (US). **BHAT-
TACHARJEE, Binita**; 5885 Hollis Street, Suite 100,
Emeryville, CA 94608 (US). **JENKINS, Rhodri**; 5885
Hollis Street, Suite 100, Emeryville, CA 94608 (US). **YIP,
Brian**; 5885 Hollis Street, Suite 100, Emeryville, CA
94608 (US). **WOO, Alex**; 5885 Hollis Street, Suite 100,
Emeryville, CA 94608 (US).

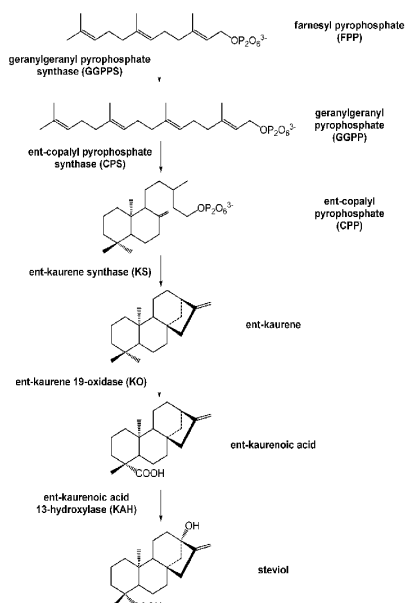
(74) Agent: **MOORE, David, E.**; Brundidge & Stanger, P.C.,
1925 Ballenger Ave., Suite 560, Alexandria, VA 22314
(US).

(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, IT, 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, 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, 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: REBAUDIOSIDE M SWEETENER COMPOSITIONS

FIG. 1



(57) Abstract: Provided herein are high potency sweeteners containing at least 95% rebaudioside M generated from *Saccharomyces cerevisiae* strains engineered to produce high purity rebaudioside M when fermented with sugar cane syrup. In addition, provided are methods of purifying the high potency sweeteners from cleared fermentation broths. Also provided are sugar substitutes containing the high potency sweeteners and methods of making same.

WO 2021/183848 A1

[Continued on next page]

Published:

- *with international search report (Art. 21(3))*
- *with sequence listing part of description (Rule 5.2(a))*