

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
27 February 2025 (27.02.2025)



(10) International Publication Number
WO 2025/040199 A3

(51) International Patent Classification:

A23L 33/135 (2016.01) A61P 3/04 (2006.01)
A61K 35/745 (2015.01) A61P 3/06 (2006.01)
A61K 35/747 (2015.01) A61P 3/10 (2006.01)

(21) International Application Number:

PCT/CN2024/132347

(22) International Filing Date:

15 November 2024 (15.11.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

202410620762.5 17 May 2024 (17.05.2024) CN

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(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, 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).

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))
- upon request of the applicant, before the expiration of the time limit referred to in Article 21(2)(a)

(88) Date of publication of the international search report:

01 May 2025 (01.05.2025)

(54) Title: USE OF CONJUGATED CHOLIC ACID TRPCA AND A STRAIN PRODUCING THE SAME FOR TREATING AND PREVENTING A METABOLIC DISEASE

(57) Abstract: Provided is the use of a conjugated cholic acid, tryptophan-conjugated bile acids (TrpCA) or a TrpCA-producing strain for preventing and/or treating a metabolic disease. The present disclosure relates to the use of tryptophan-conjugated cholic acid or its producing bacteria strain in the preparation of a composition for preventing and/or treating a metabolic disease, or for promoting GLP-1 and/or insulin production. The inventors have discovered for the first time that the tryptophan-conjugated cholic acid can significantly promote the secretion of GLP-1 in both in vivo animal model and in vitro cell model, thereby reducing weight, lowering blood glucose and relieving symptoms of non-alcoholic fatty liver disease. Moreover, colonization of the selected probiotics can also have the same metabolic improvement effects.



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