



(43) International Publication Date
4 October 2012 (04.10.2012)

(10) International Publication Number
WO 2012/131003 A1

(51) International Patent Classification:

A61K 31/49 (2006.01) *A23L 1/29* (2006.01)
A23L 1/00 (2006.01) *A61P 3/04* (2006.01)

(21) International Application Number:

PCT/EP2012/055731

(22) International Filing Date:

29 March 2012 (29.03.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

11160171.2 29 March 2011 (29.03.2011) EP

(71) Applicant (for all designated States except US): **NESTEC S.A.** [CH/CH]; Av. Nestlé 55, CH-1800 Vevey (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **DAMAK, Sami** [NZ/CH]; Le Grand Chemin 100, CH-1066 Epalinges (CH). **CETTOUR-ROSE, Philippe** [FR/FR]; Rés. Le Savoy, 5 rue François Morel, F-74200 Thonon-les-Bains (FR). **LE COUTRE, Johannes** [DE/CH]; Ch. du Fau-Blanc 32, CH-1009 Pully (CH).

(74) Agent: **MARQUARDT, Ulf**; Av. Nestlé 55, CH-1800 Vevey (CH).

(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, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, 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, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, 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, 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))
- of inventorship (Rule 4.17(iv))

Published:

- with international search report (Art. 21(3))

(54) Title: TRPM5 INHIBITORS SUPPORT BODY WEIGHT REDUCTION WITHOUT REDUCING FOOD INTAKE

(57) Abstract: The present invention relates to the field of weight management and the prevention and/or treatment of metabolic disorders. In particular, the present invention provides a composition comprising at least one Trpm5 inhibitor which is effective in the treatment of prevention of metabolic disorders or risk factors thereof, such as overweightness or obesity, without having to reduce food intake below metabolic needs.



WO 2012/131003 A1