

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

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
16 July 2009 (16.07.2009)

PCT

(10) International Publication Number
WO 2009/089338 A3

(51) International Patent Classification:

A61K 9/68 (2006.01) A61K 31/704 (2006.01)
A61K 31/05 (2006.01) A61P 35/00 (2006.01)

(21) International Application Number:

PCT/US2009/030426

(22) International Filing Date:

8 January 2009 (08.01.2009)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

61/019,745 8 January 2008 (08.01.2008) US

(71) Applicants and

(72) Inventors: RUBIN, David [US/US]; 8949 Montrose Way, San Diego, California 92122 (US). RUBIN, Tal [US/US]; 8949 Montrose Way, San Diego, California 92122 (US).

(74) Agents: BROWDY AND NEIMARK, P.L.L.C. et al.; 624 Ninth Street N.W., Suite 300, Washington, District Of Columbia 20001-5303 (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, BR, BW, BY, BZ, CA, CH, 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, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, 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, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (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, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, 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))

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

17 September 2009

(54) Title: METHOD AND COMPOSITIONS FOR ADMINISTERING RESVERATROL AND PTEROSTILBENE

(57) Abstract: Resveratrol and/or pterostilbene are added to a chewable carrier, to enhance absorption of resveratrol and/or pterostilbene buccally or through the mucous membranes of the mouth. The composition containing the resveratrol and/or pterostilbene is designed to be retained in the mouth for at least 20 seconds and up to 20 minutes to ensure absorption of the resveratrol and/or pterostilbene through the mucous membranes of the mouth.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2009/030426**A. CLASSIFICATION OF SUBJECT MATTER***A61K 9/68(2006.01)i, A61K 31/05(2006.01)i, A61K 31/704(2006.01)i, A61P 35/00(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC : as above

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EKIPASS(KIPO internal), CAS(ON LINE), PUBMED

Key words: resveratrol, pterostilbene, chewing, gum, composition

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1140050 B1 (ONTARIO INC.) 3 December 2003 See abstract; claims 1-30.	1-3
X	WO 2007/094827 A2 (MANNATECH, INC.) 23 August 2007 See abstract; page 5, lines 17-30; claims 1-51.	1-3
A	WO 2006/009987 A2 (E-L MANAGEMENT CORP.) 26 January 2006 See the whole document.	1-3
A	BOTTNER, M. et al. "Effects of long-term treatment with resveratrol and subcutaneous and oral estradiol administration on pituitary function in rats." J. Endocrinology. 2006, vol.189, pp.77-88. See the whole document.	1-3

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

27 JULY 2009 (27.07.2009)

Date of mailing of the international search report

27 JULY 2009 (27.07.2009)

Name and mailing address of the ISA/KR

Korean Intellectual Property Office
Government Complex-Daejeon, 139 Seonsa-ro, Seo-
gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

HAN, Jung Hee

Telephone No. 82-42-481-5604



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US2009/030426**Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)**

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.: 4-6
because they relate to subject matter not required to be searched by this Authority, namely:
The subject-matter of claims 4-6 pertain to a method for treatment of the human body by therapy, as well as diagnostic methods, and thus relates to a subject matter which this International Searching Authority is not required to search under Article 17(2)(a)(i) of the PCT and Rule 39.1(iv) of the Regulations under the PCT.
2. ☐ Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2009/030426

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1140050 B1	03.12.2003	AU 1853000 A	31.07.2000
		CA 2350396 A1	06.07.2000
		DE 69913380 D1	15.01.2004
		EP 1140050 A2	10.10.2001
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		CA 2571553 A1	26.01.2006
		EP 1773366 A2	18.04.2007
		JP 2008-503580 A	07.02.2008