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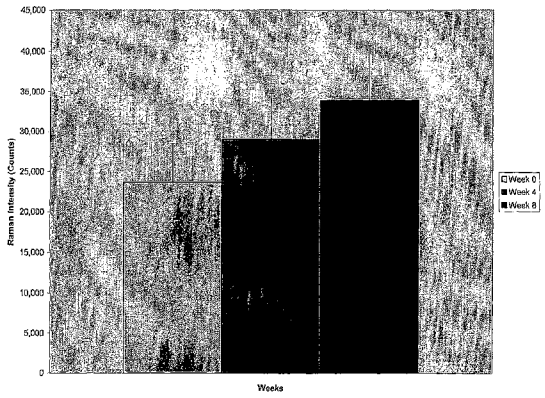
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21 February 2008

(54) Title: NUTRITIONAL FORMULATIONS AND ASSOCIATED METHODS



(57) Abstract: Nutritional formulations and methods for imparting positive health benefits to a subject are disclosed and described. In particular, methods and nutritional formulations for providing increased absorption of antioxidants are taught. In some aspects, the nutritional formulation can include Gac fruit extract in combination with at least one other antioxidant. Such nutritional formulations can in some respects produce enhanced or synergistic results with respect to the amount of antioxidants absorbed by a subject.

WO 2007/142984 A3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 07/12764

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A01N 65/00; A61K 36/00, 36/73 (2007.10)
USPC - 424/725,765,776,777
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)
USPC - 424/725,765,776,777

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)
PubWEST(PGPB,USPT,EPAB,JPAB); PubMed (text search, see terms below)
Search Terms - Gac, fruit, momordica, cochinchinensis, spiny, jackfruit, raman, spectroscopy, beta-carotene, serum, plasma, skin, nutritional, dietary, supplement.

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	Pharmanex introduces G3 nutrition drink, scientifically shown to have high levels of antioxidants. Press Release [online], Pharmanex, 17 March 2005 [retrieved on 11.10.2007]. Retrieved from the Internet: <URL:http://www.pharmanex.com/corp/pharmanews/pressreleases/03-17-05.shtml, entire document.	1, 5-11a,11b,12-29, 31-36, 38-46, 49-57, 61 ---------- 2-4, 30, 37, 47-48, 58-60, 62-63
Y	US 2002/0110604 A1 (BABISH et al.) 15 August 2002 (15.08.2002), see (para [0002]), (para [0062]), (para [0063]).	30, 37, 58-60, 62, 63
Y	Vuong et al. Plasma beta-carotene and retinol concentrations of children increase after a 30-d supplementation with the fruit Momordica cochinchinensis (gac). American Journal Clinical Nutrition, 2002, vol 75, pp 872-879, see Table 5, (page 877, para 3), (page 878, para 1).	2-4, 47, 48, 62, 63
Y	Clinical study: Validation of non-invasive raman spectroscopy as an indicator of total antioxidant nutritional status in humans. Datasheet [online], Pharmanex, October 2005 (retrieved on 18.10.2007]. Retrieved from the Internet: <URL:http://download.oneteamglobal.com/us/info_studies/scanner/ClinicalStudy.pdf.	47, 48, 62, 63

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:
"A" document defining the general state of the art which is not considered to be of particular relevance
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"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	Date of mailing of the international search report
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