

Title (en)
FOOD SUPPLEMENTS BASED ON PANTOTHENIC ACID

Title (de)
NAHRUNGSERGÄNZUNGSMITTEL AUF DER BASIS VON PANTOTHENSÄURE

Title (fr)
COMPLÉMENT ALIMENTAIRE À BASE D'ACIDE PANTOTHÉNIQUE

Publication
EP 2378900 A2 20111026 (DE)

Application
EP 09832689 A 20091222

Priority
• DE 2009001793 W 20091222
• DE 102008064588 A 20081223

Abstract (en)
[origin: WO2010072209A2] The invention relates to a food supplement for alleviating metabolic deficiency and containing pantothenic acid (CoA), precursors thereof and/or salts thereof and also to a method for production thereof and to use thereof. Fields of application of the invention are the food industry and medicine. The invention is based on the surprising discovery that the uptake of pantothenic acid, pantothenic acid-CoA and/or derivatives thereof in a large amount has an advantageous effect on symptoms which are caused by metabolic deficiency. The core of the invention is that the uptake of a pantothenic acid-CoA equivalent from the diet must be not 10 mg per day, but more than 103 times that, in order to supply the human body optimally. Surprisingly, it was likewise found that the cholinergic panthenol-CoA uptake reaction from food took place within the course of a few minutes. The food supplement according to the invention comprises 85-99% pantothenic acid, precursors thereof, derivatives thereof and/or salts thereof and optionally further additives.

IPC 8 full level
A23L 1/30 (2006.01); **A23L 1/304** (2006.01); **A23L 2/52** (2006.01); **A23L 33/15** (2016.01); **A61P 3/02** (2006.01)

CPC (source: EP US)
A23L 2/52 (2013.01 - EP US); **A23L 33/105** (2016.08 - EP US); **A23L 33/15** (2016.08 - EP US); **A23L 33/16** (2016.08 - EP US); **A61P 1/00** (2018.01 - EP); **A61P 3/00** (2018.01 - EP); **A61P 3/02** (2018.01 - EP); **A61P 3/10** (2018.01 - EP); **A61P 9/00** (2018.01 - EP); **A61P 9/08** (2018.01 - EP); **A61P 11/00** (2018.01 - EP); **A61P 11/06** (2018.01 - EP); **A61P 13/00** (2018.01 - EP); **A61P 15/00** (2018.01 - EP); **A61P 15/08** (2018.01 - EP); **A61P 19/02** (2018.01 - EP); **A61P 25/00** (2018.01 - EP); **A61P 25/06** (2018.01 - EP); **A61P 25/18** (2018.01 - EP); **A61P 25/24** (2018.01 - EP); **A61P 25/28** (2018.01 - EP); **A61P 29/00** (2018.01 - EP); **A61P 31/00** (2018.01 - EP); **A61P 31/18** (2018.01 - EP); **A61P 35/00** (2018.01 - EP); **A61P 37/06** (2018.01 - EP); **A61P 37/08** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **A23V 2002/00** (2013.01 - EP US)

C-Set (source: EP US)
1. **A23V 2002/00 + A23V 2250/705**
2. **A23V 2002/00 + A23V 2200/32 + A23V 2200/322 + A23V 2200/324 + A23V 2250/705**

Citation (examination)
• US 3092558 A 19630604 - HUGHES HERBERT D, et al
• WO 2005041949 A1 20050512 - HOWARD JAMES R [US]
• US 5360821 A 19941101 - LEUNG LIT-HUNG [HK]
• DE 69024818 T2 19970206 - LEUNG LIT HUNG [HK]
• GB 1033843 A 19660622 - EUSTACE CECIL BARTON WRIGHT
• See also references of WO 2010072209A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
DE 102008064588 A1 20100624; EP 2378900 A2 20111026; US 2011313041 A1 20111222; WO 2010072209 A2 20100701; WO 2010072209 A3 20101021

DOCDB simple family (application)
DE 102008064588 A 20081223; DE 2009001793 W 20091222; EP 09832689 A 20091222; US 200913141445 A 20091222