

Title (en)

METHOD FOR STIMULATING PRODUCTION OF HEME OXYGENASE USING VITAMIN B12.

Title (de)

VERFAHREN ZUR STIMULATION DER PRODUKTION VON HÄM-OXYGENASE UNTER VERWENDUNG VON VITAMIN B12.

Title (fr)

PROCEDE PERMETTANT DE STIMULER LA PRODUCTION DE LA HEME OXYGENASE AU MOYEN DE LA VITAMINE B12.

Publication

EP 0673236 A4 19990707 (EN)

Application

EP 94903578 A 19931209

Priority

- US 9312024 W 19931209
- US 99079392 A 19921210
- US 7783493 A 19930615

Abstract (en)

[origin: WO9413252A1] Vitamin B12 is used to stimulate heme oxygenase production. In turn, levels of the molecules 12(R)-HETE and 12(R)-DIHETE are reduced. Various topical formulations containing vitamin B12, but no other vitamins, are described.

IPC 1-7

A61K 7/00; **A61K 7/06**; **A61K 7/16**; **A61K 9/12**; **A61F 9/02**

IPC 8 full level

A61K 8/19 (2006.01); **A61K 8/20** (2006.01); **A61K 8/27** (2006.01); **A61K 8/58** (2006.01); **A61K 8/67** (2006.01); **A61K 9/12** (2006.01); **A61K 33/24** (2019.01); **A61Q 1/04** (2006.01); **A61Q 5/02** (2006.01); **A61Q 11/00** (2006.01); **A61Q 19/00** (2006.01)

CPC (source: EP US)

A61K 8/19 (2013.01 - EP); **A61K 8/20** (2013.01 - EP); **A61K 8/27** (2013.01 - EP); **A61K 8/4913** (2013.01 - EP); **A61K 8/673** (2013.01 - EP); **A61K 31/714** (2013.01 - EP); **A61K 33/24** (2013.01 - EP US); **A61Q 5/02** (2013.01 - EP); **A61Q 11/00** (2013.01 - EP); **A61Q 19/00** (2013.01 - EP); **A61Q 5/006** (2013.01 - EP); **A61Q 19/001** (2013.01 - EP)

Citation (search report)

- [X] DE 2619100 A1 19771110 - KOEHLER VALENTIN
- [DX] US 5102670 A 19920407 - ABRAHAM NADER G [US], et al
- [X] US 3577537 A 19710504 - HOWE EUGENE E, et al
- [A] "Vitamine B12 Lavoisier 5,000 microgrammes", DICTIONNAIRE VIDAL, 1992, XP002086458
- See references of WO 9413252A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

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