

Publication

EP 0912187 A4 19990506

Application

EP 97903853 A 19970117

Priority

- US 9700821 W 19970117
- US 58856496 A 19960118

Abstract (en)

[origin: WO9725959A2] The present invention provides compositions and methods for the prevention or treatment of atherosclerosis and reperfusion injury. The method comprises administering to a patient having atherosclerosis an aqueous solution containing magnesium gluconate in an amount sufficient to inhibit oxygen free radical production and lipid peroxidation. In another embodiment the invention provides for the prevention of restenosis in patients undergoing bypass surgery or angioplasty. In a different embodiment, the present invention provides a method for prevention or treatment of ischemic reperfusion injury comprising the step of administering to a patient at risk of reperfusion injury a therapeutically effective amount of magnesium gluconate to inhibit oxygen free radical production. The aqueous solution of the invention comprises magnesium gluconate in an amount sufficient to inhibit oxygen free radical production in cardiac and endothelial tissues.

IPC 1-7

A61K 31/70

IPC 8 full level

A61K 9/00 (2006.01); **A61K 31/191** (2006.01); **A61K 33/06** (2006.01); **A61K 38/06** (2006.01); **A61K 47/26** (2006.01); **A61K 47/12** (2006.01)

CPC (source: EP)

A61K 9/0019 (2013.01); **A61K 31/191** (2013.01); **A61K 33/06** (2013.01); **A61K 38/06** (2013.01); **A61K 47/26** (2013.01); **A61K 47/12** (2013.01)

Citation (search report)

- [X] US 4962208 A 19901009 - GLOBUS ALFRED R [US]
- [X] US 3328304 A 19670627 - GLOBUS ALFRED R
- [A] GB 1105145 A 19680306 - BRISTOL MYERS CO
- [X] US 5108365 A 19920428 - WOODS JR WALTER T [US]
- [X] US 5002965 A 19910326 - RAMWELL PETER W [US], et al
- [X] US 5370989 A 19941206 - STERN DAVID M [US], et al
- [A] "Handbook of Pharmaceutical Excipients", 1988, AMERICAN PHARMACEUTICAL ASSOCIATION, WASHINGTON DC, XP002094177
- [A] PATENT ABSTRACTS OF JAPAN vol. 096, no. 003 29 March 1996 (1996-03-29) & DATABASE WPI Week 9604, Derwent World Patents Index; AN 96-035820
- [X] STANEVA-STOYCEVA ET AL: "The Effect of Magnesium Gluconate on Experimental Atherosclerosis in Pigeons, and on the Content of Sulfhydryl and Disulfide Groups in Aorta and Liver", FOLIA MEDICA, vol. 11, no. 4, 1969, pages 247 - 253, XP002094176
- [X] CHEMICAL ABSTRACTS, vol. 125, no. 15, 7 October 1996, Columbus, Ohio, US; abstract no. 192424, SANDU ET AL: "Histochemical Aspects of Experimental Atherosclerosis in Rat Thoracic Aortae" XP002094178 & SANDU ET AL: "Histochemical Aspects of Experimental Atherosclerosis in Rat Thoracic Aortae", STUD. CERCET. BIOL., SER. BIOL. ANIM., vol. 47, no. 1, 1995, pages 47 - 52
- See references of WO 9725959A2

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 9725959 A2 19970724; AU 1832197 A 19970811; EP 0912187 A2 19990506; EP 0912187 A4 19990506

DOCDB simple family (application)

US 9700821 W 19970117; AU 1832197 A 19970117; EP 97903853 A 19970117