

Title (en)  
CYANOCOBALAMIN LOW VISCOSITY AQUEOUS FORMULATIONS FOR INTRANASAL DELIVERY

Title (de)  
WÄSSRIGE CYANOCOBALAMINFORMULIERUNGEN MIT NIEDRIGER VISKOSITÄT FÜR DIE INTRANASALE VERABREICHUNG

Title (fr)  
FORMULATIONS AQUEUSES DE FAIBLE VISCOSITÉ DE CYANOCOBALAMINE POUR ADMINISTRATION INTRA-NASALE

Publication  
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Application  
**EP 06785533 A 20060623**

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Abstract (en)  
[origin: WO2007149098A1] A stable pharmaceutical aqueous solution of cyanocobalamin comprised of cyanocobalamin and water wherein said solution of cyanocobalamin is suitable for intranasal administration, has a viscosity less than about 1000 cPs, and yields a bioavailability of cyanocobalamin when administered intranasally of at least about 5% relative to an intramuscular injection of cyanocobalamin. The present invention is also directed towards a method for elevating the vitamin B 12 levels in the cerebral spinal fluid (CSF) comprising administering intranasally a sufficient amount of a cyanocobalamin solution so as to increase the average ratio of vitamin B 12 in the CSF to that in the blood serum (B12 CSF/ B12 Serum x 100) to at least about 1.1 comprising intranasally administering an aqueous solution of a cyanocobalamin, wherein said solution of cyanocobalamin has a bioavailability of at least 5% relative to an intramuscular injection of a cyanocobalamin.

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Citation (search report)

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- [XAI] US 5112804 A 19920512 - KOWARSKI HANNA R [US]
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- See references of WO 2007149098A1

Citation (examination)  
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