

Title (en)  
CYCLIC PROSAPOSIN-DERIVED PEPTIDES AND USES THEREOF

Title (de)  
ZYKLISCHE VON PROSAPOSIN ABGELEITETE PEPTIDE UND DEREN VERWENDUNG

Title (fr)  
PEPTIDES CYCLIQUES DERIVES DE LA PROSAPOSINE ET LEURS UTILISATIONS

Publication  
**EP 1105420 A1 20010613 (EN)**

Application  
**EP 99943903 A 19990820**

Priority  
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• US 9835998 P 19980828

Abstract (en)  
[origin: WO0012553A1] Cyclic neurotrophic and analgesic peptides derived from the active region of prosaposin having the consensus sequence X1X2X3NNX4TX5X6X7X8 (SEQ ID NO:4), wherein X1 is a hydrophobic amino acid (leucine, isoleucine, valine, tyrosine, tryptophan, phenylalanine or methionine); X2 is a hydrophobic amino acid, X3 is aspartic acid, glutamic acid, lysine or arginine; N is asparagine, X4 is any amino acid; T is threonine; X5 is glutamic acid or aspartic acid; X6 is any amino acid, X7 is a hydrophobic amino acid; and X8 is a hydrophobic amino acid. The peptides are useful in the promotion of neural outgrowth, prevention of cell death, promotion of myelination, treatment of neurodegenerative disorders and treatment and prevention of neuropathic pain.

IPC 1-7  
**C07K 14/475; A61K 38/18; A61P 25/00**

IPC 8 full level  
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CPC (source: EP KR)  
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Citation (examination)  
• EP 0639584 A1 19950222 - INTERPHARM LAB LTD [IL]  
• EGLETHON R. D.: "Bioavailability and transport of peptide drugs into the brain", PEPTIDES, vol. 18, no. 9, 1997, pages 1431 - 1439  
• See also references of WO 0012553A1

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