

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
• US 9919378 W 19990820
• 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
A61K 9/127 (2006.01); **A61K 9/19** (2006.01); **A61K 38/00** (2006.01); **A61P 9/10** (2006.01); **A61P 25/00** (2006.01); **A61P 25/04** (2006.01); **A61P 25/16** (2006.01); **A61P 25/28** (2006.01); **A61P 27/02** (2006.01); **A61P 43/00** (2006.01); **C07K 7/06** (2006.01); **C07K 7/08** (2006.01); **C07K 14/47** (2006.01); **C07K 14/475** (2006.01)

CPC (source: EP KR)
A61P 9/10 (2018.01 - EP); **A61P 25/00** (2018.01 - EP); **A61P 25/02** (2018.01 - EP); **A61P 25/04** (2018.01 - EP); **A61P 25/16** (2018.01 - EP); **A61P 25/28** (2018.01 - EP); **A61P 27/02** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **C07K 14/475** (2013.01 - EP KR); **A61K 38/00** (2013.01 - EP)

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

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0012553 A1 20000309; AU 5690599 A 20000321; AU 751034 B2 20020808; BR 9913490 A 20010925; CA 2341810 A1 20000309; CN 1324367 A 20011128; CZ 2001655 A3 20011114; EP 1105420 A1 20010613; HU P0103265 A2 20020228; HU P0103265 A3 20020930; IL 141586 A0 20020310; JP 2002523518 A 20020730; JP 2010150272 A 20100708; JP 4528443 B2 20100818; KR 20010079695 A 20010822; PL 204359 B1 20100129; PL 346346 A1 20020211; ZA 200102489 B 20020604

DOCDB simple family (application)
US 9919378 W 19990820; AU 5690599 A 19990820; BR 9913490 A 19990820; CA 2341810 A 19990820; CN 99812627 A 19990820; CZ 2001655 A 19990820; EP 99943903 A 19990820; HU P0103265 A 19990820; IL 14158699 A 19990820; JP 2000567569 A 19990820; JP 2010034833 A 20100219; KR 20017002478 A 20010227; PL 34634699 A 19990820; ZA 200102489 A 20010327