

Title (en)

ANALGESIC PEPTIDES FROM VENOM OF GRAMMOSTOLA SPATULATA AND USE THEREOF

Title (de)

ANALGETISCHE PEPTIDE VOM GIFT DER GRAMMOSTOLA SPATULATA UND DEREN VERWENDUNG

Title (fr)

PEPTIDES ANALGESIQUES EXTRAITS DU VENIN DE LA GRAMMOSTOLA SPATULATA ET LEUR UTILISATION

Publication

EP 1054896 A1 20001129 (EN)

Application

EP 98905534 A 19980220

Priority

GB 9800534 W 19980220

Abstract (en)

[origin: WO9942480A1] The present invention provides novel methods of treating pain comprising administering to a mammal in need of such treatment an effective analgesic amount of a peptide having the amino acid sequence Tyr-Cys-Gln-Lys-Trp-Leu-Trp-Thr-Cys-Asp-Ser-Glu-Arg-Lys-Cys-Cys-Glu-Asp-Met-Val-Cys-Arg-Leu-Trp-Cys-Lys-Lys-Arg -Leu-NH₂ (SEQ ID NO:1) or Tyr-Cys-Gln-Lys-Trp-Met-Trp-Thr-Cys-Asp-Glu-Glu-Arg-Lys-Cys-Cys-Glu-Gly-Leu-Val-Cys-Arg-Leu -Trp-Cys-Lys-Lys-Lys-Ile-Glu-Trp (SEQ ID NO:2). The invention further provides a purified peptide having the amino acid sequence of SEQ ID NO:1. The peptides of SEQ ID NO:1 and SEQ ID NO:2 can also be used in methods for identifying compounds having analgesia-inducing activity.

IPC 1-7

C07K 14/435; **A61K 38/17**; **G01N 33/68**; **C07K 16/18**

IPC 8 full level

A61K 38/16 (2006.01); **A61K 39/395** (2006.01); **A61P 31/04** (2006.01); **C07K 14/435** (2006.01); **C07K 16/18** (2006.01); **G01N 33/53** (2006.01); **G01N 33/68** (2006.01); **A61K 38/00** (2006.01)

CPC (source: EP)

A61P 31/04 (2017.12); **C07K 14/43518** (2013.01); **A61K 38/00** (2013.01)

Citation (search report)

See references of WO 9942480A1

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 9942480 A1 19990826; AU 6109698 A 19990906; CA 2319038 A1 19990826; EP 1054896 A1 20001129; JP 2002509080 A 20020326

DOCDB simple family (application)

GB 9800534 W 19980220; AU 6109698 A 19980220; CA 2319038 A 19980220; EP 98905534 A 19980220; JP 2000532432 A 19980220