

Title (en)

METHODS OF IDENTIFYING INSECT-SPECIFIC SPIDER TOXIN MIMICS

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG INSEKTENSPEZIFISCHER SPINNENGIFT-MIMETIKA

Title (fr)

PROCÉDÉS DESTINÉS À IDENTIFIER DES ANALOGUES DE TOXINE D'ARAIGNÉE SPÉCIFIQUES AUX INSECTES

Publication

**EP 2035449 A2 20090318 (EN)**

Application

**EP 07861321 A 20070606**

Priority

- US 2007013342 W 20070606
- US 81115306 P 20060606

Abstract (en)

[origin: WO2008036138A2] Disclosed herein are methods of identifying a candidate molecule that mimics at least a portion of the three-dimensional structure of a rU-ACTX-Hv1a insecticidal toxin, the method comprising providing a molecular model made from the atomic co-ordinates for the rU-ACTX- Hv1a insecticidal toxin as disclosed herein, using the molecular model to identify a candidate molecule that mimics the three-dimensional structure of the rU-ACTX-Hv1a insecticidal toxin; and providing the candidate molecule that is identified. The method optionally comprises employing a molecular model identifying the pharmacophoric residues of U-ACTX as Q<SUP>8</SUP>, P<SUP>9</SUP>, N<SUP>28</SUP>, and V<SUP>34</SUP>.

IPC 8 full level

**C07K 14/435** (2006.01); **G16B 15/00** (2019.01)

CPC (source: EP US)

**C07K 14/43518** (2013.01 - EP); **G01N 33/5085** (2013.01 - EP); **G16B 15/00** (2019.01 - EP US); **G16C 20/50** (2019.01 - EP); **C07K 2299/00** (2013.01 - EP)

Citation (search report)

See references of WO 2008036138A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2008036138 A2 20080327**; **WO 2008036138 A3 20080807**; AU 2007297872 A1 20080327; CA 2654718 A1 20080327; EP 2035449 A2 20090318; JP 2009540295 A 20091119; MX 2008015580 A 20090113

DOCDB simple family (application)

**US 2007013342 W 20070606**; AU 2007297872 A 20070606; CA 2654718 A 20070606; EP 07861321 A 20070606; JP 2009514359 A 20070606; MX 2008015580 A 20070606