

Title (en)  
COMPOSITIONS AND METHODS FOR TREATING ALZHEIMER'S DISEASE

Title (de)  
ZUSAMMENSETZUNG UND VERFAHREN ZUR BEHANDLUNG VON MORBUS ALZHEIMER

Title (fr)  
COMPOSITIONS ET MÉTHODES DE TRAITEMENT DE LA MALADIE D'ALZHEIMER

Publication  
**EP 2780082 A4 20150805 (EN)**

Application  
**EP 12847618 A 20121112**

Priority  
• US 201161558430 P 20111110  
• US 201261589809 P 20120123  
• US 201213582308 A 20120831  
• US 2012064722 W 20121112

Abstract (en)  
[origin: WO2013071267A1] The present disclosure provides for a hyperimmune preparation comprising human polyclonal antibodies or fragments thereof specific to a cyclic peptide having an amino acid sequence comprising SNK. The cyclic peptide may comprise an amino acid sequence GSNK (SEQ ID NO: 1), SNKG (SEQ ID NO: 2), GSNKG (SEQ ID NO: 3), CSNKG (SEQ ID NO: 4), CGSNKGC (SEQ ID NO: 5), CGSNKGG (SEQ ID NO: 6), or CCGSNKGC (SEQ ID NO: 7). The antibodies in the hyperimmune preparation may have a titer ranging from about 200 to about 400 mean fluorescence intensity (MFI). In one embodiment, greater than about 80% of the antibodies in the hyperimmune preparation are IgG. The fragments of the antibodies are Fab, F(ab')<sub>2</sub>, scFv, disulfide linked Fv, or mixtures thereof.

IPC 8 full level  
**C07K 16/06** (2006.01); **A61K 39/395** (2006.01); **A61P 25/28** (2006.01); **C07K 7/64** (2006.01); **C07K 14/47** (2006.01); **G01N 33/68** (2006.01)

CPC (source: EP)  
**A61P 25/28** (2017.12); **C07K 16/06** (2013.01); **C07K 16/18** (2013.01); **G01N 33/6896** (2013.01); **C07K 14/4711** (2013.01); **C07K 2317/21** (2013.01); **C07K 2317/34** (2013.01)

Citation (search report)  
• [ID] WO 2011106885 A1 20110909 - UNIV BRITISH COLUMBIA [CA], et al  
• [A] WO 2010002251 A1 20100107 - STAAT DER NEDERLANDEN VERT DOO [NL], et al  
• [A] BRIAN O'NUALLAIN ET AL: "Human Plasma Contains Cross-Reactive A[beta] Conformer-Specific IgG Antibodies +", BIOCHEMISTRY, vol. 47, no. 47, 25 November 2008 (2008-11-25), pages 12254 - 12256, XP055198127, ISSN: 0006-2960, DOI: 10.1021/bi801767k  
• [A] MAGGA JOHANNA ET AL: "Human intravenous immunoglobulin provides protection against A $\beta$  toxicity by multiple mechanisms in a mouse model of Alzheimer's disease", JOURNAL OF NEUROINFLAMMATION, BIOMED CENTRAL LTD., LONDON, GB, vol. 7, no. 1, 7 December 2010 (2010-12-07), pages 90, XP021089590, ISSN: 1742-2094, DOI: 10.1186/1742-2094-7-90  
• [A] MICHELA ROSINI ET AL: "Inhibition of Acetylcholinesterase, [beta]-Amyloid Aggregation, and NMDA Receptors in Alzheimer's Disease: A Promising Direction for the Multi-target-Directed Ligands Gold Rush", JOURNAL OF MEDICINAL CHEMISTRY, vol. 51, no. 15, 1 August 2008 (2008-08-01), pages 4381 - 4384, XP055198095, ISSN: 0022-2623, DOI: 10.1021/jm800577j  
• See references of WO 2013071267A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2013071267 A1 20130516**; AU 2012335014 A1 20140619; CA 2855669 A1 20130516; CN 104093454 A 20141008; EA 201491851 A1 20151230; EP 2780082 A1 20140924; EP 2780082 A4 20150805; HK 1201771 A1 20150911; SG 11201403272Y A 20140828

DOCDB simple family (application)  
**US 2012064722 W 20121112**; AU 2012335014 A 20121112; CA 2855669 A 20121112; CN 201280066632 A 20121112; EA 201491851 A 20121112; EP 12847618 A 20121112; HK 15102253 A 20150305; SG 11201403272Y A 20121112