



(12) **CORRECTED EUROPEAN PATENT SPECIFICATION**

(15) Correction information:
Corrected version no 1 (W1 B1)
Corrections, see
Bibliography INID code(s) 73

(48) Corrigendum issued on:
03.11.2021 Bulletin 2021/44

(45) Date of publication and mention
of the grant of the patent:
29.09.2021 Bulletin 2021/39

(21) Application number: **16824940.7**

(22) Date of filing: **08.07.2016**

(51) Int Cl.:
C07K 14/00^(2006.01) A61K 9/107^(2006.01)
A61K 9/127^(2006.01) C12Q 1/48^(2006.01)

(86) International application number:
PCT/US2016/041544

(87) International publication number:
WO 2017/011312 (19.01.2017 Gazette 2017/03)

(54) **FORMULATIONS FOR IMPROVING THE EFFICACY OF HYDROPHOBIC DRUGS**

FORMULIERUNGEN ZUR VERBESSERUNG DER WIRKSAMKEIT VON HYDROPHOBEN
ARZNEIMITTELN

FORMULATIONS PERMETTANT D'AMÉLIORER L'EFFICACITÉ DES MÉDICAMENTS
HYDROPHOBES

(84) Designated Contracting States:
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

(30) Priority: **10.07.2015 US 201562190909 P**

(43) Date of publication of application:
16.05.2018 Bulletin 2018/20

(73) Proprietor: **Peptinovo Biopharma Inc.**
Ann Arbor, MI 48103 (US)

(72) Inventors:
• **HOMAN, Reynold**
Ann Arbor, MI 48108 (US)
• **ELLIOTT, William, L.**
Ann Arbor, MI 48103 (US)

(74) Representative: **D Young & Co LLP**
120 Holborn
London EC1N 2DY (GB)

(56) References cited:
WO-A2-2009/155366 US-A1- 2009 110 739

US-A1- 2014 024 061

- **ZHIHONG ZHANG ET AL: "Biomimetic Nanocarrier for Direct Cytosolic Drug Delivery", ANGEWANDTE CHEMIE INTERNATIONAL EDITION, vol. 48, no. 48, 16 November 2009 (2009-11-16), pages 9171-9175, XP055538201, DE ISSN: 1433-7851, DOI: 10.1002/anie.200903112**
- **ZHIHONG ZHANG ET AL: "HDL-Mimicking Peptide-Lipid Nanoparticles with Improved Tumor Targeting", SMALL, vol. 6, no. 3, 5 February 2010 (2010-02-05), pages 430-437, XP055247522, DE ISSN: 1613-6810, DOI: 10.1002/smll.200901515**
- **JULIEN BALZEAU ET AL: "The effect of functionalizing lipid nanocapsules with NFL-TBS.40-63 peptide on their uptake by glioblastoma cells", BIOMATERIALS, vol. 34, no. 13, 1 April 2013 (2013-04-01), pages 3381-3389, XP055141672, ISSN: 0142-9612, DOI: 10.1016/j.biomaterials.2013.01.068**

Note: Within nine months of the publication of the mention of the grant of the European patent in the European Patent Bulletin, any person may give notice to the European Patent Office of opposition to that patent, in accordance with the Implementing Regulations. Notice of opposition shall not be deemed to have been filed until the opposition fee has been paid. (Art. 99(1) European Patent Convention).

- DATTA G ET AL: "Effects of increasing Hydrophobicity on the Physical-Chemical and Biological Properties of a Class A Amphipathic Helical Peptide", JOURNAL OF LIPID RESEARCH, AMERICAN SOCIETY FOR BIOCHEMISTRY AND MOLECULAR BIOLOGY, INC, US, vol. 42, 1 January 2001 (2001-01-01), pages 1096-1104, XP003013496, ISSN: 0022-2275
- DONG ET AL.: 'Long-circulating 15 nm micelles based on amphiphilic 3-helix peptide-PEG conjugates.' ACS NANO vol. 6, no. 6, 26 June 2012, pages 5320 - 5329, XP055046013

Remarks:

The file contains technical information submitted after the application was filed and not included in this specification