Title (en)

Acyl pseudodipeptides which carry a functionalised auxiliary arm

Title (de)

Acylierte Pseudopeptide mit einer funktionalisierten Seitenkette

Title (fr)

Pseudodipeptides acyles porteurs d'un bras auxiliaire fonctionnalisé

Publication

EP 1242365 A1 20020925 (FR)

Application

EP 00993510 A 20001221

Priority

- FR 0003650 W 20001221
- IB 9902038 W 19991222

Abstract (en)

[origin: WO0146126A1] The invention relates in particular to pseudodipeptides which are derived from functionalised aminoacids and which comprise fatty acid chains that are fixed on the amine functions of the pseudodipeptides in amide form, one of the ends of said pseudodipeptides having a functionalised auxiliary arm and the other end being a neutral or charged acid group. The inventive compounds have immunomodulatory properties when used as adjuvants. The inventive compounds can also be grafted onto an antigen in order to modulate the immune response or grafted onto a pharmacophore in order to improve its therapeutic action or its targeting. Finally, the inventive compounds can therefore be used in human and veterinary medicine as immunizing agents and as diagnostic tools.

IPC 1-7

C07C 237/22; C07C 323/60; C07F 9/09; A61K 39/39; A61K 31/66; A61P 37/02

IPC 8 full level

A61K 31/221 (2006.01); **A61K 31/23** (2006.01); **A61K 31/661** (2006.01); **A61K 38/00** (2006.01); **A61K 38/04** (2006.01); **A61K 38/36** (2006.01); **C07H 19/06** (2006.01); **A61K 39/008** (2006.01); **A61K 39/385** (2006.01); **A61K 39/39** (2006.01); **A61K 47/48** (2006.01); **A61P 7/00** (2006.01); **A61P 31/12** (2006.01); **A61P 33/02** (2006.01); **A61P 37/02** (2006.01); **A61P 37/04** (2006.01); **A61P 37/06** (2006.01); **A61P 43/00** (2006.01); **C07C 237/10** (2006.01); **C07C 237/12** (2006.01); **C07C 237/22** (2006.01); **C07C 319/20** (2006.01); **C07C 323/60** (2006.01); **C07D 237/22** (2006.01); **C07F 9/09** (2006.01); **C07K 5/04** (2006.01)

CPC (source: EP US)

A61K 38/04 (2013.01 - EP US); **A61K 39/385** (2013.01 - EP US); **A61K 47/6811** (2017.08 - EP US); **A61P 7/00** (2018.01 - EP); **A61P 31/12** (2018.01 - EP); **A61P 33/02** (2018.01 - EP); **A61P 37/00** (2018.01 - EP); **A61P 37/02** (2018.01 - EP); **A61P 37/04** (2018.01 - EP); **A61P 37/06** (2018.01 - EP); **A61P 43/00** (2018.01 - EP); **C07C 237/22** (2013.01 - EP US); **C07C 323/60** (2013.01 - EP US); **C07F 9/091** (2013.01 - EP US); **C07K 5/04** (2013.01 - EP US); A61K 2039/6018 (2013.01 - EP US); A61K 2039/6037 (2013.01 - EP US); Y02A 50/30 (2018.01 - EP US)

Citation (examination)

- WO 9932428 A2 19990701 - INT CENTRE GENETIC ENG & BIO [IT], et al
- MCGAHREN W.J. ET AL: "(.beta.-Lysyloxy)myoinositol guanidino glycoside antibiotics", JOURNAL OF ORGANIC CHEMISTRY, vol. 46, no. 4, 1981, pages 792 - 799
- MOON BYUNG JO; KIM SANG KOOK: "Synthesis of enkephalin degrading peptidase inhibitors", BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol. 18, no. 7, 1997, pages 778 - 781
- ROSTOVTSEVA L.I.; KIRYUSHKIN A.A.: "Mass spectrometry in the investigation of .beta.-lysine-containing peptides", ORGANIC MASS SPECTROMETRY, vol. 6, no. 1, 1972, pages 1-8
- ROSTOVTSEVA L.I. ET AL: "Peptides of L-.beta.-lysine. IV. Structure and synthesis of the dipeptide isolated from streptothricin D", ZHURNAL OBSHCHEI KHIMII, vol. 41, no. 7, 1971, pages 1611 - 1616
- ROSTOVTSEVA L.I. ET AL: "Peptides of L-.beta.-lysine. III. Synthesis and mass spectrometric study of peptides of L-.beta.-lysine", ZHURNAL OBSHCHEI KHIMII, vol. 41, no. 7, 1971, pages 1604 - 1611
- See also references of WO 0146126A1

Cited by

EP3632458A1; WO2016180852A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

Designated extension state (EPC)

LT LV RO SI

DOCDB simple family (publication)

WO 0146126 A1 20010628; AR 035024 A1 20040414; AU 1581400 A 20010703; AU 2006202085 A1 20060615; AU 2006202085 B2 20120119; AU 2006202085 C1 20120705; AU 2857201 A 20010703; BR 0016696 A 20040622; CA 2395197 A1 20010628; CA 2395197 C 20130326; CN 101164543 A 20080423; CN 101164543 B 20120321; CN 1434795 A 20030806; CN 1434795 B 20121114; CZ 20022194 A3 20021113; EP 1242365 A1 20020925; HU P0204531 A2 20030628; HU P0204531 A3 20041228; JP 2003518086 A 20030603; JP 4902924 B2 20120321; LV 12886 B 20030320; PL 208584 B1 20110531; PL 356405 A1 20040628; RU 2002119418 A 20040110; RU 2275378 C2 20060427; SK 287514 B6 20101207; SK 9202002 A3 20030401; TW I237022 B 20050801; US 2003203852 A1 20031030; US 2005192232 A1 20050901; US 2010215685 A1 20100826; US 7799762 B2 20100921; US 8173133 B2 20120508; WO 0146127 A1 20010628

DOCDB simple family (application)

FR 0003650 W 20001221; AR P000106872 A 20001222; AU 1581400 A 19991222; AU 2006202085 A 20060517; AU 2857201 A 20001221; BR 0016696 A 20001221; CA 2395197 A 20001221; CN 00819149 A 20001221; CN 200710167013 A 20001221; CZ 20022194 A 20001221; EP 00993510 A 20001221; HU P0204531 A 20001221; IB 9902038 W 19991222; JP 2001547037 A 20001221; LV 020118 A 20020621; PL 35640500 A 20001221; RU 2002119418 A 20001221; SK 9202002 A 20001221; TW 90107046 A 20010326; US 11344305 A 20050422; US 16905302 A 20020828; US 64052709 A 20091217