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(54) Title: FATTY ACID CONJUGATES AND THEIR USES

(57) Abstract: The invention relates to the compounds of formula I and formula II or its pharmaceutical acceptable salts, as well as polymorphs, solvates, enantiomers, stereoisomers and hydrates thereof. The pharmaceutical compositions comprising an effective amount of compounds of formula I or formula II; and methods for treating or preventing metabolic syndrome, cancer, a metabolic disease, a neurodegenerative disease and insulin resistance and diabetes may be formulated for oral, buccal, rectal, topical, transdermal, transmucosal, intravenous, parenteral administration, syrup, or injection. Such compositions may be used to treatment of diabetes mellitus, obesity, lipid disorders, neuropathic pain, hypertriglyceridemia, hyperglycemia, hyperinsulinemia, metabolic syndrome, cancer, metabolic disease, neurodegenerative diseases and insulin resistance.



INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

A61K31/00, A61K9/00, A61P3/10, C07C223/00 Version=2017.01

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K, C07C, A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Patseer, IPO Internal Database

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 20120184585 A1 (MILNE JILL C[US]; JIROUSEK MICHAEL R[US]; BEMIS JEAN E[US]; VU CHI B[US] CATABASIS PHARMACEUTICALS INC[US]) 19 JULY 2012 (19-07-2012) para [0008], [0068]-[0141]; examples claims 1-12 -----	1-10
Y	US 20100184730 A1 (VU CHI B[US]; BEMIS JEAN E[US]; JIROUSEK MICHAEL R[US]; MILNE JILL C[US]; SMITH JESSE J[US]) 22 JULY 2010 (22-07-2010) claims 19, 31 -----	1-10
Y	W02012149352 A1 (CATABASIS PHARMACEUTICALS INC[US]) 01 NOVEMBER 2012 (01-11-2012) para [0010]-[0015], [0052]-[0180]; claims 1-12 -----	1-10
Y	WO 2011106688 A1 (CATABASIS PHARMACEUTICALS, INC) 01 SEPTEMBER 2011 (01-09-2011) abstract, Para[0042] page 2 Para [0004]), page-14, Para 9-11, 13, examples 10-16 and claims 1, 2.	1-10



Further documents are listed in the continuation of Box C.



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Information on patent family members

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