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(54) Title: ANALOGUES OF LIPID MEDIATORS DERIVED FROM OMEGA-3 PUFAs AND METHODS OF USE

(57) Abstract: The present invention is directed to compounds that are analogues of lipid mediators derived from a fish oil-derived fatty acid, eicosapentaenoic acid [C20:5 ω -3; EPA], but with a longer tissue half-life and enhanced bioactivity. These analogues may be used to treat inflammatory, angioproliferative, cardiovascular, thrombophlebotic, vascular, ocular, dermatologic, neurodegenerative, pulmonary, endocrine, reproductive, rheumatologic and gastrointestinal diseases.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07C 69/74, 69/00, 69/52, 61/00, 61/08, 53/00, 57/02, 57/18, 49/00, 49/105, 49/04, 49/20, 47/02
US CL : 560/1, 129, 205, 225; 562/400, 512, 598; 568/303, 382, 417, 420, 448

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)

U.S. : 560/1, 129, 205, 225; 562/400, 512, 598; 568/303, 382, 417, 420, 448

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)
STN structure

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,E	WO 2003053423 A2 (THE BRIGHAM AND WOMEN'S HOSPITAL) 03 July 2003 (03.07.2003), entire document.	1-12
X	WO 2001060778 A2 (THE BRIGHAM AND WOMEN'S HOSPITAL, INC) 23 August 2001 (23.08.2001), entire document.	1-12
X	US 2002055538 A1 (SERHAN et al.) 09 May 2002 (09.05.2002), entire document.	1-12

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

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