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(54) Title: ANTISENSE MODULATION OF STEAROYL-COA DESATURASE EXPRESSION

(57) Abstract: Antisense compounds, compositions and methods are provided for modulating the expression of stearoyl-CoA desaturase. The compositions comprise antisense compounds, particularly antisense oligonucleotides, targeted to nucleic acids encoding stearoyl-CoA desaturase. Methods of using these compounds for modulation of stearoyl-CoA desaturase expression and for treatment of diseases associated with expression of stearoyl-CoA desaturase are provided.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US02/22676

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07H 21/02, 21/04; C12Q 1/68; C12P 19/34; A61K 48/00; C12N 15/85, 15/86
 US CL : 435/6, 91.1, 91.3, 325, 375; 536/23.1, 24.3, 24.31, 24.33; 514/44

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. : 435/6, 91.1, 91.3, 325, 375; 536/23.1, 24.3, 24.31, 24.33; 514/44

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, medline, caplus, lifesci, embase, uspatfull, biosis

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X --- Y	WO 00/09754 A1 (JOHNSON & JOHNSON CONSUMER COMPANIES, INC.) 24 February 2000 (24.02.00), see especially oligonucleotide on page 46.	1, 2, 11, 12 and 14 ----- 4-10, 13, 15
Y	MILNER ET AL. Selecting effective antisense reagents on combinatorial oligonucleotide arrays. Nature Biotechnology. June 1997, Vol. 15, pages 537-541, see entire document.	1, 2, 4-15
Y	US 5,801,154 A (BARACCHINI ET AL.) 01 September 1998 (01.09.98), see especially columns 6-9.	1, 2, 4-15

Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:	
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"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" 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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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