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(54) Title: CADS AS MODIFIERS OF THE P53 PATHWAY AND METHODS OF USE

(57) Abstract: Human CAD genes are identified as modulators of the P53 pathway, and thus are therapeutic targets for disorders associated with defective p53 function. Methods for identifying modulators of p53, comprising screening for agents that modulate the activity of CAD are provided.

INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C07K 5/00; C07H 21/04
 US CL : 530/300; 536/23.1

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. : 530/300; 536/23.1

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)
 SEQUENCE SEARCH, STN:EMBASE, CAPLUS, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A <input checked="" type="checkbox"/>	PAULSON, T.G. et al. Gene Amplification in a p53-Deficient Cell Line Requires Cell Cycle Progression under Conditions That Generate DNA Breakage. Molecular and Cellular Biology. May 1998, Vol 18, No.5, pages 3089-3100.	1-25
A <input checked="" type="checkbox"/>	AGARWAL et al. A p53-dependent S-phase Checkpoint Helps to Protect Cells From DNA Damage in Response to Starvation For Pyrimidine Nucleotides. Proc. Natl. Acad. Sci. USA. December 1998, Vol. 95, pages 14775-14780.	

Further documents are listed in the continuation of Box C.

See patent family annex.

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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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