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(54) Title: MEDIATORS OF HEDGEHOG SIGNALING PATHWAYS, COMPOSITIONS AND USES RELATED THERETO

(57) Abstract: The present invention makes available methods and reagents for inhibiting aberrant growth states resulting from gain-of-function, loss-of-function or gain-of-function comprising contacting the cell with an antagonist, such as a small molecule, in a sufficient amount to aberrant growth state, e.g., to agonize a normal pathway or antagonize or activity.

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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US02/24073

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : A61K 31/415  
 US CL : 514/394, 387, 386, 391

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. : 514/394, 387, 386, 391

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: NEOPLASTIC, CANCER

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Database CAPLUS on STN, Chemical abstracts Service (Columbus, Ohio, USA), AN 114:55404, FUKAZAWA et al. 'Effects of herbimycin A and various sulfhydryl reagents on p60v-src kinase activity in vitro'. Biochemical and Biophysical Research Communications, 1990, 173(1), 276-82, see entire abstract.	1-31, 33, 35-36
X	US 5,641,764 A (MARTIN et al.) 24 June 1997, see columns 2-6, and claims.	32, 34
Y		1-31, 33, 35-36

Further documents are listed in the continuation of Box C.

See patent family annex.

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"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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