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(54) Title: METHODS FOR TREATING LIVER DISEASE AND LIVER DAMAGE WITH GROWTH HORMONE AND
FOXMI1B

(57) Abstract: The invention provides a method of treating liver damage or disease in a patient by stimulating liver regenera-
tion. Specifically, the invention provides a method of inducing liver cell proliferation comprising contacting liver cells that express
FoxM1B protein with growth hormone. The invention also provides methods of screening for compounds that induce FoxM1B
protein expression, nuclear localization, or both expression and nuclear localization. The invention further provides pharmaceutical
compositions comprising selected compounds and methods of using such compositions.



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US CL : 514/2; 424/98.1; 530/399; 435/325

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B. FIELDS SEARCHED

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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)
MEDLINE, BIOSIS, EMBASE, CAPLUS, SCISEARCH, WPI/DS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
x	ASAKAWA, K. Human Growth Hormone Stimulates Liver Regeneration in Rats, J. Endocrinol. Invest. May 1989, Vol. 12, No. 5, Pages 343-347, especially page 343.	1-2
A	US 5,849,686 A (KUBERASAMPATH et al) 15 December 1998 (15.12.1998).	1-2



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