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(54) Title: METHOD FOR MONITORING EARLY TREATMENT RESPONSE

(57) Abstract: Disclosed is a method for monitoring early treatment response of a cancer treatment comprising measuring by magnetic resonance spectroscopy (MRS), before and after treatment; the treatment comprises administration of an angiogenesis inhibitor, for example, a VEGF inhibitor, whereby a decrease in the amount of Choline after treatment is indicative of a positive response. Disclosed also is a method for determining effectiveness of an angiogenesis inhibitor in the treatment of cancer. Also disclosed are methods of monitoring early treatment response in diseases where an angiogenesis effector, i.e., an inhibitor or promoter of angiogenesis, is employed.

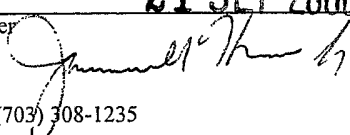


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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US06/02675

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC: A61B 5/055(2006.01)</p> <p>USPC: 424/9.3 According to International Patent Classification (IPC) or to both national classification and IPC</p>								
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) U.S. : 424/9.3</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN</p>								
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Category *</th> <th style="width:70%;">Citation of document, with indication, where appropriate, of the relevant passages</th> <th style="width:20%;">Relevant to claim No.</th> </tr> </thead> <tbody> <tr> <td align="center">A</td> <td>DALY, P.F. et al. Phospholipid Metabolism in Cancer Cells Monitored by 31P NMR Spectroscopy, The Journal of Biological Chemistry, November 1987, Vol. 262, No. 31, pages 14875-14878, especially, page 14875, abstract, and pages 14875-14876, 'Materials and Methods'.</td> <td align="center">1-43</td> </tr> </tbody> </table>			Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	A	DALY, P.F. et al. Phospholipid Metabolism in Cancer Cells Monitored by 31P NMR Spectroscopy, The Journal of Biological Chemistry, November 1987, Vol. 262, No. 31, pages 14875-14878, especially, page 14875, abstract, and pages 14875-14876, 'Materials and Methods'.	1-43
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<p>Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201</p>		<p>Authorized officer D. L. Jones  Telephone No. (703) 308-1235</p>						