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(71) Applicant (for all designated States except US): 3M INNOVATIVE PROPERTIES COMPANY [US/US]; 3M CENTER, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

Declarations under Rule 4.17:
— as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
— as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

(72) Inventors; and
(75) Inventors/Applicants (for US only): MILLER, Jeffrey, S. [US/US]; 420 Delaware Street SE, Minneapolis, MN 55455 (US). YUNIS, Carla [US/US]; 3M CENTER, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

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(54) Title: TREATMENT FOR ACUTE MYELOID LEUKEMIA



(57) Abstract: The present invention provides a method of treating acute myeloid leukemia. Generally, the method includes administering to a patient with AML an amount of a TLR agonist compound effective to decrease the percentage of leukemic cells in the patient's peripheral blood or bone marrow.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2006/049466

A. CLASSIFICATION OF SUBJECT MATTER		
<i>A61K 31/47(2006.01)i, A61K 31/4738(2006.01)i, A61P 35/02(2006.01)i</i>		
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) IPC 8 A61K 31/47, A61K 31/4738, A61P 35/02		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Utility models and applications for Utility models since 1975		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKIPASS "(toll <and> receptor) <or> TLR <and> leukemia <and> acute <and> myeloid "		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US2004-023870 A1 (DOUGLAS DEDERA et al.) 5 Feb. 2004	1, 22-25
Y	See claim 1.	2-21
A	US2005-281813 A1 (DOUGLAS DEDERA et al.) 22 Dec. 2005 See claim 1.	1-25
Y	US2004-162309 A1 (3M INNOVATIVE PROPERTIES COMPANY) 19 Aug. 2004 See page 8, paragraphs 99 - 103.	2-21
A	US2004-091491 A1 (3M INNOVATIVE PROPERTIES COMPANY) 13 May 2004 See page 3, paragraphs 35 - 43.	1-8
A	US2004-141950 A1 (3M INNOVATIVE PROPERTIES COMPANY) 22 Jul. 2004 See page 3, paragraph 42 - page 5, paragraph 61; page 8, paragraphs 91 - 96.	1-8
A	US2003-139364 A1 (UNIVERSITY OF IOWA FOUNDATION) 24 Jul. 2003 See page 17, paragraph 199.	1
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified) "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 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "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 "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 "&" document member of the same patent family		
Date of the actual completion of the international search 20 JUNE 2007 (20.06.2007)		Date of mailing of the international search report 20 JUNE 2007 (20.06.2007)
Name and mailing address of the ISA/KR  Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea Facsimile No. 82-42-472-7140		Authorized officer YANG, In Soo Telephone No. 82-42-481-5049 

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2006/049466

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

- 1. Claims Nos.: 1-24
because they relate to subject matter not required to be searched by this Authority, namely:
Although claims 1-24 are directed to a method of treatment of the human body, the search has been carried out and based on the alleged effects of the compound.
- 2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
- 3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

- 1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
- 2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
- 3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
- 4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004-023870 A1	05.02.2004	None	
US 2005-281813 A1	22.12.2005	None	
US 2004-162309 A1	19.08.2004	None	
US 2004-091491 A1	13.05.2004	AU 2004252409 A1 CA 2535338 A1 EP 1653959 A2 JP 2007500210 T2 US 2004265351 A1 WO 200518555 A3	06.01.2005 03.03.2005 10.05.2006 11.01.2007 30.12.2004 08.12.2005
US 2004-141950 A1	22.07.2004	None	
US 2003-139364 A1	24.07.2003	None	