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18 August 2005

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(54) Title: METHODS FOR MODULATING ENDOMETRIUM

(57) Abstract: The present invention provides methods of modulating the endometrium, including methods for inhibiting pregnancy and methods for treating gynecological bleeding disorders, such as dysfunctional uterine bleeding and endometrial bleeding. The methods generally involve administering to an individual in need thereof a vascular endothelial growth factor (VEGF) antagonist, e.g., a chimeric VEGF blocker, where the VEGF antagonist is administered during the post-menstrual repair phase. The invention further provides chimeric VEGF blockers formulated for use in inhibiting pregnancy and treating gynecological bleeding disorders, as well as kits and delivery systems comprising the formulations.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/15399

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/00; C07K 17/00

US CL : 514/2; 530/350

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. : 514/2; 530/350

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)

EAST, STN

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Fraser et al. Reprod Biol Endocrinol. 2003 Nov 10, 1(1): pp. 1-8	1-12
A	Hasan et al., Expert Opin Biol Ther. 2001 Jul, 1(4): pp. 703-718	1-28
X	US 6,833,349 B2 (Xia et al.) 31 January 2001 (31.01.2001), column 9: lines 49-58; column 39: lines 46-61	1-12 and 25-28
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Y	US 5,942,539 (Hughes et al.) 03 October 1997 (03.10.1997), column 10: lines 57-59	13-24



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"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

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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

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document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US04/15399

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:

a. type of material

☒

a sequence listing

☐

table(s) related to the sequence listing

b. format of material

☒

in written format

☒

in computer readable form

c. time of filing/furnishing

☒

contained in the international application as filed

☒

filed together with the international application in computer readable form

☐

furnished subsequently to this Authority for the purposes of search

2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.

3. Additional comments: