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- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

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(54) Title: PYRIDONE GPR119 G PROTEIN-COUPLED RECEPTOR AGONISTS

(57) Abstract: Novel compounds are provided which are GPR119 G protein-coupled receptor modulators. GPR119 G protein-coupled receptor modulators are useful in treating, preventing, or slowing the progression of diseases requiring GPR119 G protein-coupled receptor modulator therapy. These novel compounds have the structure Formula (I) or Formula (IA).



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**INTERNATIONAL SEARCH REPORT**

International application No  
PCT/US2008/070101

**A. CLASSIFICATION OF SUBJECT MATTER**  
INV. C07D401/12 C07D401/14 A61K31/454 A61P3/10

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)  
C07D A61K A61P

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 practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 2005/007647 A (ARENA PHARM INC [US]; JONES ROBERT M [US]; SEMPLE GRAEME [US]; XIONG Y) 27 January 2005 (2005-01-27) cited in the application examples A1-A120;B1-B5;C1-C242 page 1, line 7 - page 4, line 18; claims	1-20
A	WO 2005/007658 A (ARENA PHARM INC [US]; JONES ROBERT M [US]; SEMPLE GRAEME [US]; XIONG Y) 27 January 2005 (2005-01-27) cited in the application page 1, line 6 - page 4, line 12; claims; examples	1-20

Further documents are listed in the continuation of Box C.

See patent family annex.

\* Special categories of cited documents :

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| <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"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)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p> | <p>"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</p> <p>"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</p> <p>"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.</p> <p>"&amp;" document member of the same patent family</p> |
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Date of the actual completion of the international search

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

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