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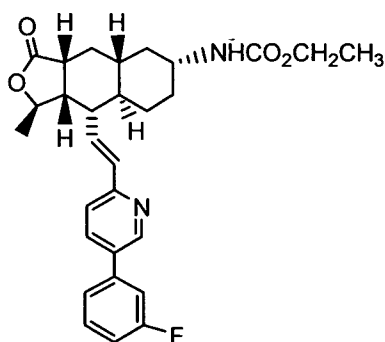
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(54) Title: DISINTEGRATION PROMOTERS IN SOLID DOSE WET GRANULATION FORMULATIONS



(57) Abstract: Disclosed is a rapidly disintegrating solid dosage form comprising an active pharmaceutical ingredient, a disintegrant and a disintegration promoter, which formulation is obtainable by a wet granulation process. In one exemplified embodiment, the active pharmaceutical agent is a thrombin receptor antagonist, the disintegrant is sodium croscarmellose, and the disintegration promoter is calcium silicate. In some embodiments, the thrombin receptor antagonist is represented by formula (I), or a pharmaceutically acceptable salt thereof. Also disclosed are methods of treating patients at risk for acute coronary syndrome by administering such a rapidly disintegrating solid dosage form.

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INTERNATIONAL SEARCH REPORT

International application No
PCT/US2007/025996

A. CLASSIFICATION OF SUBJECT MATTER
INV. A61K9/16

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)
A61K

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.
X	US 2005/019398 A1 (KOTHARL SANJEEV [US] ET AL) 27 January 2005 (2005-01-27) page 2, paragraph 12 - page 4, paragraph 50 page 4, paragraph 54 - page 5, paragraph 62 page 12 - page 14; examples 10,11 claims	1-7, 13-21
X	WO 2005/060940 A (BAYER HEALTHCARE AG [DE]; BENKE KLAUS [DE]) 7 July 2005 (2005-07-07) page 1, line 3 - line 6 page 2, line 7 - page 5, line 16 page 7 - page 9; examples 1-3 ----- -/-	1-7, 13-21

☒ Further documents are listed in the continuation of Box C.

☒ 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 document 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 another 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

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INTERNATIONAL SEARCH REPORT

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document with indication, where appropriate, of the relevant passages	Relevant to claim No
X	JP 2004 238348 A (FUJI PHARMACEUTICAL CO LTD) 26 August 2004 (2004-08-26) page 4 ; example 3 -----	1-7, 13-21
E, L	WO 2008/005353 A (SCHERING CORP [US]; GUPTA RAJAN [US]; CHAWDRY SULIMAN [US]; DUGGIRALA) 10 January 2008 (2008-01-10) page 3, line 4 - page 6, line 8 page 7, line 2 - page 8, line 8 page 13, line 20 - page 15, line 14 page 17, line 1 - line 14 page 18, line 10 - page 21, line 17 claims 1-38 -----	1, 3-25
A	US 2004/176418 A1 (THIRUVENGADAM TIRUVETTIPURAM K [US] ET AL WU WENXUE [US]) 9 September 2004 (2004-09-09) claims -----	8-12

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/025996**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.:**
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 21-25 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the composition.
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 allsearchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
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

PCT/US2007/025996

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2005019398	A1	27-01-2005	US 2007275059 A1 29-11-2007
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US 2004176418	A1	09-09-2004	NONE