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(54) Title: IMPROVED DRUG OR PHARMACEUTICAL COMPOUNDS AND A PREPARATION THEREOF

(57) Abstract: The administration of pharmaceuticals of drugs which are having less solubility, lower bioavailability, lower bioabsorbability, less rate of absorption has become a big challenge in day today life. Therefore an attempt has been made to prepare a complex modified form of the said pharmaceutical or drug such that the modified complex drugs or pharmaceuticals exhibits the enhanced properties of solubility, bioavailability, bioabsorbability and rate of absorption despite the increased complexity of the molecule. Surprisingly such modification was found to enhance retentivity of the active drug ingredient in the blood. Higher amounts of the active drug ingredient has shown lower toxicity.

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/IN06/00222

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC(8): A61K 31/56( 2006.01);C07J 5/00( 2006.01)  
  
 USPC: 514/180;552/574  
 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. : 514/180; 552/574

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)  
 Please See Continuation Sheet

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6,090,800 (UNGER et al) 18 July 2000 (18.06.2000), column 78, line 44 - column 89, line 60.	10, 12-17

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent published on or after the international filing date	"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
"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)	"&"	document member of the same patent family
"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		

Date of the actual completion of the international search 08 January 2007 (08.01.2007)	Date of mailing of the international search report <b>06 FEB 2007</b>
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	Authorized officer Sreeni Padmanabhan <i>[Signature]</i> Telephone No. 571-272-1600

# INTERNATIONAL SEARCH REPORT

International application No.

PCT/IN06/00222

## 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:
  
2.  Claims Nos.: 1-9,11,15, 16, and 31-33  
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:  
Please See Continuation Sheet
  
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 additional fees, this Authority did not invite payment of any 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

International application No.

PCT/IN06/00222

### Continuation of Box II Reason 2:

Claims 1-9, 11, 15, 16, 31-33 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6.

Claims 1-6, 11, 31, 33 are indefinite for the following reason(s): the claims are compositions that are defined by properties rather than structural limitations. The metes and bounds of the scope of the claims are vague and indefinite.

Also in claim 7, the term "and like" renders the claim vague and indefinite, as it is not clear what are the acids that are "like" the beta hydroxytricarballic acid.

Also in claims 8-9, the terms "such as" and "preferably", respectively, render the claims vague and indefinite because it is not clear whether the recitation followed by the terms are considered claim limitations. See also claim 31.

Claim 15 is incomplete. Also in claim 15 and claim 16, last line, the inclusion of "etc" renders the claim vague and indefinite because the scope of the claim is unclear.

### Continuation of B. FIELDS SEARCHED Item 3:

WEST

prodrug, modified, phytosterol9-octadecenoic acid beta-hydroxytricarballic, citric acid, bioavailability, absorption