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(54) Title: ASCORBIC ACID DERIVATIVES HAVING ALPHA-LIPOYL GROUPS AND PROCESS FOR PREPARING THE SAME

(57) Abstract: The present invention provides an ascorbic acid derivative having an α -lipoyl group and a process for preparing the same. The ascorbic acid derivative of the present invention has excellent stability in an aqueous medium, and thus can minimize denaturation caused by environmental factors such as temperature, light, oxygen, and water, even when being stored in an aqueous composition for a long period of time.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2008/004182**A. CLASSIFICATION OF SUBJECT MATTER***C07D 307/62(2006.01)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 as above

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)

STN, PubMed-online

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0869126 A1 (SANKYO COMPANY LIMITED) 07 October 1998 See abstract; claim 1; example 82.	1-10
X	JP 2000-169371 A (SANKYO COMPANY LIMITED) 20 June 2000 See abstract; claim 1; example 82.	1-10
A	US 6,288,106 B1 (PEARSON, D. C. ET AL.) 11 September 2001 See the whole document.	1-10

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

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 0869126 A1	07. 10. 1998	AU 5970298 A1	08. 10. 1998
		CA 2233682 AA	02. 10. 1998
		EP 1070710 A2	24. 01. 2001
		JP 11269170 A2	05. 10. 1999
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JP 2000-169371 A	20. 06. 2000	NONE	
US 6288106 B1	11. 09. 2001	NONE	