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(54) Title: METHOD OF PREPARING EZETIMIBE AND INTERMEDIATES USED THEREIN

(57) Abstract: Disclosed is a method for preparing ezetimibe which is effective for preventing or treating arteriosclerosis, and novel intermediates used therein. In accordance with the method which does not use expensive reagents, unwanted diastereoisomers can be easily removed by a step-by-step crystallization procedure, and the ezetimibe of formula 1 can be prepared in a high yield without the use of a hydrogenation procedure under a high pressure.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2009/007535**A. CLASSIFICATION OF SUBJECT MATTER*****C07D 205/08(2006.01)i, A61P 3/06(2006.01)i, A61P 9/10(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 C07D 205/08; A61P 3/06; A61P 9/10

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)
eKOMPASS(KIPO internal), STN(Registry, CAPlus)**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5886171 A1 (WU GUANG-ZHONG et al.) 23 March 1999 See scheme A; claims	1-14, 17
X	Formulas I` and VII`	15, 16
A	US 6207822 B1 (THIRUVENGADAM TIRUVETTIPURAM K. et al.) 27 March 2001 See columns 4-6; claims	1-15
X	Formulas I, VI and VIII; columns 13	16, 17
A	WO 2007-072088 A1 (RICHTER GEDEON VEGYESZETI GYAR RT. et al.) 28 June 2007 See pp. 5-9; examples; abstract	1-14
X	Formulas VII, VIIa, X and XI	15-17

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

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Date of the actual completion of the international search

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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
US 5886171 A1	23.03.1999	None	
US 6207822 B1	27.03.2001	None	
WO 2007-072088 A1	28.06.2007	CA 2630737-A1	28.06.2007
		CN 101346349 A	14.01.2009
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		HU0501164D0	28.02.2006
		US 2009-216009 A1	27.08.2009