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(21) International Application Number: PCT/US99/18138 (22) International Filing Date: 10 August 1999 (10.08.99) (30) Priority Data: 09/138,785 24 August 1998 (24.08.98) US (71) Applicant: EASTMAN CHEMICAL COMPANY [US/US]; 100 North Eastman Road, Kingsport, TN 37660 (US). (72) Inventor: HYATT, John, Anthony; 439 Forest Hills Drive, Kingsport, TN 37663 (US). (74) Agent: BLAKE, Michael, J.; P.O. Box 511, Kingsport, TN 37662-5075 (US).		(81) Designated States: BR, CN, JP, MX, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i> (88) Date of publication of the international search report: 22 June 2000 (22.06.00)
(54) Title: WATER-DISPERSIBLE OR WATER-SOLUBLE D-TOCOTRIENOL COMPOUNDS AND METHODS FOR MAKING THEREFOR		
(I) (II)		
(57) Abstract The invention relates to a water-dispersible or water-soluble compound having structure (I) wherein, R¹, R², and R³ are, independently hydrogen or methyl, and R⁴ is -(CH₂CH₂O)_nCH₂CH₂OH, wherein n is from 10 to 100, wherein compound (I) is the substantially pure D-enantiomer. The invention further relates to a water-dispersible or water-soluble compound having structure (II) wherein, R¹, R², and R³ are, independently, hydrogen or methyl, or the salt thereof, wherein compound (II) is the substantially pure D-enantiomer. The invention further relates to methods for making the tocotrienol compounds of the present invention.		

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INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 99/18138

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D311/72 A61K31/355

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 7 C07D 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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2 680 749 A (JOHN D. CAWLEY) 8 June 1954 (1954-06-08) cited in the application the whole document	1-5
X	GB 1 114 150 A (EISAI) 15 May 1968 (1968-05-15) claims; example 2	16, 24, 25
P, X	US 5 869 704 A (JOHN A. HYATT) 9 February 1999 (1999-02-09) the whole document	1-25



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INTERNATIONAL SEARCH REPORT

Information on patent family members

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