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(54) Title: METHODS TO ADMINISTER EPOTHILONE D

(57) Abstract: Methods to deliver epothilone D to subjects having tumorigenic diseases are provided. In some embodiments, the invention provides methods for treating tumor-bearing subjects with an intravenous infusion of epothilone D at least one about every seven days throughout a delivery period of about twenty-one consecutive day period.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/17921

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/427; C07D 277/22
US CL : 514/365; 548/204, 510;

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. : 514/365; 548/204, 510;

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	CHOU et al., Desoxyepothilone B: An Efficacious Microtubule-Targeted Antitumor Agent with a Promising In Vivo Profile Relative to Epothilone B. Pharmacology, Proc Natl Acad Sci. August 1998, Vol. 95, pages 9642-9647.	1, 7, 20
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Y		2-6, 8-19, 21-25
X	CHOU et al. The Synthesis, Discovery, and Development of a Highly Promising Class of Microtubule Stabilization Agents: Curative Effects of Desoxyepothilones B and F Against Human Tumor Xenographs in Nude Mice, Pharmacology, Proc Natl Acad Sci. 03 July 2001, Vol. 98, No 14, pages 8113-8118.	1, 7, 20
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Y		2-6, 8-19, 21-25
X	CHOU et al. Desoxyepothilone B is Curative Against Human Tumor Xenografts that are Refractory to Paclitaxel. Pharmacology, Proc Natl Acad Sci. December 1998, Vol. 95, pages 15798-15802.	1, 7, 20
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Y		2-6, 8-19, 21-25
Y	CHAPPELL et al., En Route to a Plant Scale Synthesis of the Promising Antitumor Agent 12,13-Desoxyepothilone B. Organic Letters. 2000, Vol. 2, No. 11, pages 1633-1636.	1-25
X	US 6,284,781 B1 (DANISHEFSKY et al) 04 September 2001 (04.09.2001), entire document.	1, 7, 20

		2-6, 8-19, 21-25

☐ 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	"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
"B" earlier application or patent published on or after the international filing date	"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
"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)	"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
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

PCT/US03/17921

Continuation of B. FIELDS SEARCHED Item 3:

Electronic Databases Searched: EAST, STN, REG, BIOSIS, CA, CAPLUS, CASREACT, IMSDRUGNEWS, IMSRESEARCH, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

Search Terms: [4S-[4R*,7S*,8R*,9R*,13Z,16R*(E)]]-Oxacyclohexadec-13-ene-2,6-dione, 4,8-dihydroxy-5,5,7,9,13-pentamethyl-16-[1-methyl-2-(2-methyl-4-thiazolyl)ethenyl, (-)-Desoxyepothilone B, (-)-Epothilone D, 12,13-Deoxyepothilone B, 12,13-Desoxyepothilone B, Desoxyepothilone B, Epo D, Epothilone D, KOS 862, NSC 703147, tumor, antitumor, cancer, neoplasia, intravenous, vein, i.v..