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(54) Title: APOPTOSIS-INDUCING ANTINEOPLASTIC SILVER (I) COORDINATION COMPLEXES

(57) Abstract: The present invention describes chemotherapeutic compositions, a method for making the same, and methods for inducing apoptosis in tumor cells and/or inhibiting tumors. The compositions are metal coordination complexes of a cytotoxic metal, such as silver(I) and a *chiral* α -organic acid, such as tartaric acid, in a pharmaceutical carrier.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 06/00390

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8): A61K 31/555 (2007.01)

USPC: 514/184

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): A61K 31/555

USPC: 514/184

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

IPC(8): A61K 31/28 (2007.01)

USPC: 514/185; 514/492; 514/495

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

PubWEST(USPT,PGPB,EPAB,JPAB); DialogPRO(Engineering); Google Patents; PAIR; Search Terms Used: metal complex, apoptosis, cytotoxic metal, anti-tumor agents, treatment of hepatitis, chiral organic acid, amino acids

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	Bataresh, Anomaly and correlation of killing in the therapeutic properties of silver (I) chelation with glutamic and tartaric acids, Journal of Antimicrobial Chemotherapy (2004) 54, 546548, 08 July 2004 (08.07.2004), entire document	1-33
Y	US 5,348,950 A (Hata et al.) 20 September 1994 (20.09.1994), entire document, claim 6	1-33
Y	Farrell, Metal Complexes as Drugs and Chemotherapeutic Agents, Volume 11, Kluwer Academic Publishers (Dordrecht and Boston) (1989), pg 813-814, 817, 826-827	10, 17-20
Y	US 5,504,055 A (Hsu) 2 April 1996 (02.04.1996), entire document, claim 2	7-9
Y	US 6,280,959 B1 (Gleason et al.) 28 April 2001 (28.04.2001), col 10	24-26

Further documents are listed in the continuation of Box C.

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