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(71) Applicant (for all designated States except US):
ACHILLION PHARMACEUTICALS, INC. [US/US];
300 George Street, New Haven, CT 06511 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **POTTAGE, John**
[US/US]; 147 Opening Hill Road, Madison, CT 06443
(US).

(74) Agent: **HORVATH, Leslie-Anne**; Cantor Colburn LLP,
55 Griffin Road South, Bloomfield, CT 06002 (US).

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(54) Title: LOW DOSE THERAPY FOR TREATING VIRAL INFECTIONS

(57) Abstract: A method of treating viral infections, particularly Hepatitis B (HBV) and Human Immunodeficiency Virus (HIV), by administering a low dose of Elvucitabine to a patient suffering viral infection, is provided herein. The Elvucitabine dosages provided herein for effective anti-viral therapy are approximately 10-fold less than the effective dosages of currently marketed reverse transcriptase inhibitors. The Elvucitabine dosage may be given BID, daily, once every 48 hours, or once weekly. Also provided herein are packaged pharmaceutical formulations comprising Elvucitabine and instructions for treating a viral infection by administering a low BID, daily, once/ 48 hour period, or weekly dosage of Elvucitabine. The low dose Elvucitabine formulations provided herein have the additional benefit of improving patient compliance with anti-viral therapy.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : A01N 43/54; A61K 31/505 US CL : 514/274 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. : 514/274 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) MEDLINE BIOSIS EMBASE CAPLUS USPATFULL EAST: compound/structure, HIV, inventor		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,703,058 (SCHINAZI et al) 30 December 1997 (30.12.1997), Abstract; col. 3, line 1-col. 6, line 3; col. 18, line 20-col. 22, line 29.	1-20
Y		21-25
Y	WO 98/57648 (CHATURVEDI et al) 23 December 1998 (23.12.1998), p. 4, line 17-p. 5, line 9.	21-25
Y	CHEN, S., Current Medicinal Chemistry, 2002, vol. 9, pages 899-912, especially pages 899-903.	1-25
Y	MICKLE et al., Antimicrobial Agents and Chemotherapy, November 2000, vol. 44, no. 11, pages 2939-47.	1-25
Y	DUTSCHMAN et al., Antimicrobial Agents and Chemotherapy, July 1998, vol. 42, no. 7, pages 1799-1804.	1-25
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Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230		Authorized officer Gregory W. Mitchell Telephone No. 571-272-0600