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(54) Title: 8'-HYDROXY-DIHYDROERGOTAMINE COMPOUNDS AND COMPOSITIONS

(57) Abstract: 8'-Hydroxy-Dihydroergotamine (8'-OH DHE) medicinal compounds, compositions, and dosage forms containing such compositions are provided. Also provided herein are methods of treatment, prevention, or amelioration of migraine disorders using the compounds, compositions, dosage forms and administration techniques disclosed herein.



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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 13/76420

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61P 29/00, A61P 25/06, A61K 31/4985, A61P 25/06 (2014.01)

USPC - 514/250;514/177; 514/220

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 A61P29/00, A61P25/06, A61K31/4985, A61P25/06 (2014.01)

USPC 514/250;514/177; 514/220

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

USPC 514/250;514/177; 514/220 (Keyword limited, terms below)

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

PatBase, Google Patents, Google Scholar (NPL); Keywords: 8-Hydroxy-Dihydroergotamine 81-OH DHE migraine inhalant nebulizer metabolite cmax side effect

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2007/0065463 A1 (Aung-Din) 22 March 2007 (22.03.2007) para [0089], [0092]	1-4, 6-9, 11-13, 20-21
Y		5, 14-19
X		1, 10
A	FR 2837708 B1 (Guesnier) 03 October 2003 (03.10.2003) abstract, pg 15, ln 15-23	2-9, 11-21
Y	US 2010/0081663 A1 (Cook et al.) 01 April 2010 (01.04.2010) para[0014], [0015], [0022], [0024], [0048], [0118]	5, 14-19
A	US 4916132 A (Seibel) 10 April 1990 (10.04.1990) col 2, ln 46-col 3, ln 42; col 8, ln 29-45	1-21
A	US 2010/0267676 A1 (Xu et al.) 21 October 2010 (21.10.2010) para [0533]	1-21
A	US 2011/0269742 A1 (Cogan et al.) 03 November 2011 (03.11.2011) para [0011]	1-21
A	Hanoun et al., 'Dihydroergotamine and its metabolite, 8' hydroxydihydroergotamine, as 5-HT1A receptor agonists in the rat brain,' Br J Pharmacol Vol. 139, 2003 (2003) pg 424-434; entire document	1-21

☐ Further documents are listed in the continuation of Box C.

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