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(54) Title: METHODS FOR TREATING OR PREVENTING AUTOIMMUNE DISEASE USING HISTAMINE H1 RECEPTOR-BLOCKING AGENTS

(57) Abstract: Methods for treating or preventing an autoimmune disease using agents that block the histamine H1 receptor are disclosed. H1 receptor-blocking agents useful in accordance with the methods provided herein include, for example, H1 antihistamines, particularly H1 antihistamines that do not substantially block the serotonin receptor.



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INTERNATIONAL SEARCH REPORT

International appli

PCT/US04/05359

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 31/40, 31/44, 31/54, 31/70, 31/445, 31/4965, 38/00, 38/28
US CL : 514/2, 3, 45, 49, 226.2, 255.04, 323, 353, 357, 428; 930/141

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. : 514/2, 3, 45, 49, 226.2, 255.04, 323, 353, 357, 428; 930/141

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	US 2002/0132755 (JENKINSON et al) 19 September 2002 (19.09.2002), see whole document.	1-2, 8-10, 12-13, 19-22, 31-34
A	US 5,780,026 (YOSHII et al) 14 July 1998 (14.07.1998), see whole document.	1-49
A	WO 93/13772 (IMMULOGIC PHARMACEUTICAL CORPORATION) 22 July 1993 (22.07.1993), see whole document.	1-49
A	US 4,521,405 (McMichael) 4 June 1985, see whole document.	1-49
A	US 2001/0027203 (WEIDNER) 04 October 2001, see whole document.	1-49

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

☐ See patent family annex.

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

STN ONLINE (Medline, Biosis, Registry, HCAPlus, Embase, WPIDS, USPATFULL) Search terms: brompheniramine, triprolidine, clemastine, diphenhydramine, doxylamine, tripeleminamine, pyrilamine, promethazine, fexofenadine, loratadine, cetirizine, meclizine, ebastine, mizolastine, antihistamine, H1-antihistamine, autoimmune disease, autoimmunity, rheumatoid arthritis, graft versus host disease, inflammatory bowel disease, insulin dependent diabetes mellitus, multiple sclerosis, primary biliary cirrhosis, systemic sclerosis, psoriasis, autoimmune thyroiditis, autoimmune thrombocytic purpura, polypeptide, polynucleotide, cytokine, chemokine, immunomodulatory protein, IL-4, IL-10, IL-13, insulin, preproinsulin, proinsulin, glutamic acid decarboxylase, tyrosine phosphatase, carboxypeptidase, heat shock protein, glima 38, islet cell antigen, islet cell glucose transporter, myelin basic protein, proteolipid protein, myelin associated glycoprotein, cyclic nucleotide phosphodiesterase, myelin associated oligodendrocytic basic protein, myelin oligodendrocyte protein, alpha-B crystalline