

Title (en)

USE OF HISTAMINE H4 RECEPTOR MODULATORS FOR THE TREATMENT OF ALLERGY AND ASTHMA

Title (de)

VERWENDUNG VON HISTAMIN-H4-REZEPTOR-MODULATOREN ZUR BEHANDLUNG VON ALLERGIEN UND ASTHMA

Title (fr)

UTILISATION DE MODULATEURS DU RECEPTEUR H4 DE L'HISTAMINE POUR LE TRAITEMENT DES ALLERGIES ET DE L'ASTHME

Publication

EP 1545596 A4 20051228 (EN)

Application

EP 03794649 A 20030905

Priority

- US 0327943 W 20030905
- US 40873602 P 20020906

Abstract (en)

[origin: WO2004021999A2] Methods are disclosed for identifying histamine receptor modulators that affect mast cell or basophil chemotaxis, and the use of such histamine H4 receptor modulators for the prevention, treatment, induction, or other desired modulation of asthma and/or allergic responses, or diseases and/or conditions that are modulated, affected or caused by asthma or allergic responses. Also disclosed is the use of histamine H4 receptor modulators for the prevention, treatment, induction, or other desired modulation of mast cell or basophil chemotactic responses, such as migration to a particular site, or diseases and/or conditions that are modulated, affected or caused by mast cell or basophil chemotaxis.

IPC 1-7

A61K 39/00; **A61K 47/00**; **C07K 16/00**; **G01N 33/53**

IPC 8 full level

A61K 31/00 (2006.01); **A61K 39/00** (2006.01); **A61K 47/00** (2006.01); **A61P 37/08** (2006.01); **C07K 16/00** (2006.01); **C07K 16/28** (2006.01); **G01N 33/50** (2006.01); **G01N 33/53** (2006.01); **G01N 33/68** (2006.01)

IPC 8 main group level

A61K (2006.01)

CPC (source: EP)

A61K 31/00 (2013.01); **A61K 39/0008** (2013.01); **A61P 11/06** (2017.12); **A61P 37/08** (2017.12); **C07K 16/28** (2013.01); **G01N 33/5047** (2013.01); **G01N 33/6863** (2013.01); **A61K 2039/505** (2013.01)

Citation (search report)

- [PX] WO 03057919 A2 20030717 - ORTHO MCNEIL PHARM INC [US]
- [PX] WO 02072548 A2 20020919 - ORTHO MCNEIL PHARM INC [US]
- [E] WO 2004022060 A2 20040318 - JANSSEN PHARMACEUTICA NV [BE], et al
- [E] WO 2004022061 A1 20040318 - JANSSEN PHARMACEUTICA NV [BE], et al
- [X] LIU C ET AL: "Comparison of human, mouse, rat and guinea pig histamine H4 receptors reveals substantial pharmacological species variation", JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, AMERICAN SOCIETY FOR PHARMACOLOGY AND, US, vol. 299, no. 1, 2001, pages 121 - 130, XP009013631, ISSN: 0022-3565
- [X] O'REILLY M ET AL: "Identification of a histamine H4 receptor of human eosinophils - role in eosinophil chemotaxis", JOURNAL OF RECEPTOR AND SIGNAL TRANSDUCTION RESEARCH, MARCEL DEKKER, NEW YORK, NY, US, vol. 22, no. 1-4, February 2002 (2002-02-01), pages 431 - 448, XP009047851, ISSN: 1079-9893
- [PX] HOFSTRA C L ET AL: "Histamine H4 receptor mediates chemotaxis and calcium mobilization of mast cells.", JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, vol. 305, no. 3, June 2003 (2003-06-01), pages 1212 - 1221, XP002352480, ISSN: 0022-3565
- [T] THURMOND R L ET AL: "A potent and selective histamine H4 receptor antagonist with anti-inflammatory properties", JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS, vol. 309, no. 1, 1 April 2004 (2004-04-01), pages 404 - 413, XP002352481, ISSN: 0022-3565
- See references of WO 2004021999A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004021999 A2 20040318; **WO 2004021999 A3 20041007**; AU 2003265961 A1 20040329; CA 2497788 A1 20040318; EP 1545596 A2 20050629; EP 1545596 A4 20051228; JP 2006510590 A 20060330; MX PA05002577 A 20050920

DOCDB simple family (application)

US 0327943 W 20030905; AU 2003265961 A 20030905; CA 2497788 A 20030905; EP 03794649 A 20030905; JP 2004534688 A 20030905; MX PA05002577 A 20030905