

Title (en)
2,5-SUBSTITUTED ARYL PYRROLES, COMPOSITIONS CONTAINING SUCH COMPOUNDS AND METHODS OF USE

Title (de)
2,5 SUBSTITUIERTE ARYL PYRROL, DIESES ENTHALTENDE ZUSAMMENSETZUNGEN UND DESSEN VERWENDUNG

Title (fr)
PYRROLES D'ARYLE SUBSTITUES EN POSITION 2 ET 5, COMPOSITIONS CONTENANT DE TELS COMPOSES ET LEURS MODES D'UTILISATION

Publication
EP 0871444 A4 19990113 (EN)

Application
EP 96928099 A 19960806

Priority

- GB 9607253 A 19960404
- GB 9608472 A 19960425
- US 9612922 W 19960806
- US 209495 P 19950810
- US 1418296 P 19960326

Abstract (en)
[origin: WO9705878A1] The present invention addresses 2,5-substituted aryl pyrroles of formula (I); or pharmaceutically acceptable salts thereof, as well as compositions containing such compounds and methods of treatment. The compounds are useful for treating Cytokine mediated diseases, which refers to diseases or conditions in which excessive or unregulated production or activity of one or more cytokines occurs. Interleukin-1 (IL-1), Interleukin-6 (IL-6), Interleukin-8 (IL-8) and Tumor Necrosis Factor (TNF) are cytokines which are involved in immunoregulation and other physiological conditions, such as inflammation. The compounds also have glucagon antagonist activity.

IPC 1-7
A61K 31/44; A61K 31/50; A61K 31/445; A61K 31/495; A61K 31/505; A61K 31/535; C07D 211/68; C07D 211/80; C07D 213/02; C07D 239/02; C07D 401/00

IPC 8 full level
A61K 31/00 (2006.01); **A61K 31/44** (2006.01); **A61K 31/4427** (2006.01); **A61K 31/443** (2006.01); **A61K 31/4433** (2006.01); **A61K 31/4439** (2006.01); **A61K 31/445** (2006.01); **A61K 31/4465** (2006.01); **A61K 31/4523** (2006.01); **A61K 31/4545** (2006.01); **A61K 31/47** (2006.01); **A61K 31/4709** (2006.01); **A61K 31/495** (2006.01); **A61K 31/496** (2006.01); **A61K 31/505** (2006.01); **A61K 31/506** (2006.01); **A61K 31/535** (2006.01); **A61K 31/5375** (2006.01); **A61K 31/5377** (2006.01); **A61P 1/00** (2006.01); **A61P 1/04** (2006.01); **A61P 9/00** (2006.01); **A61P 19/00** (2006.01); **A61P 29/00** (2006.01); **A61P 31/00** (2006.01); **A61P 37/00** (2006.01); **A61P 43/00** (2006.01); **C07D 401/04** (2006.01); **C07D 401/14** (2006.01); **C07D 403/04** (2006.01); **C07D 405/14** (2006.01); **C07D 409/14** (2006.01); **C07D 413/14** (2006.01); **C07D 471/04** (2006.01)

CPC (source: EP)
A61P 1/00 (2017.12); **A61P 1/04** (2017.12); **A61P 9/00** (2017.12); **A61P 19/00** (2017.12); **A61P 29/00** (2017.12); **A61P 31/00** (2017.12); **A61P 37/00** (2017.12); **A61P 43/00** (2017.12); **C07D 401/04** (2013.01); **C07D 401/14** (2013.01); **C07D 403/04** (2013.01); **C07D 471/04** (2013.01)

Citation (search report)

- [E] WO 9716441 A1 19970509 - MERCK & CO INC [US], et al
- [X] K. T. POTTS ET AL: "The pyrrolo(3,4-c)pyrazole system, a new 10pi-electron heteropentalene", JOURNAL OF ORGANIC CHEMISTRY, vol. 44, no. 4, 1979, EASTON US, pages 622 - 626, XP002084076
- [X] D. M. PERRINE ET AL: "Four novel phenyldithienoinole isomers from the oxidative photocyclization of dithienylpyrroles", JOURNAL OF ORGANIC CHEMISTRY, vol. 52, no. 11, 1987, EASTON US, pages 2213 - 2216, XP002084077
- [X] V. GIRIDHAR ET AL: "Base and acid-catalyzed condensation reactions of Reissert compounds with vinylpyridines", JOURNAL OF HETEROCYCLIC CHEMISTRY., vol. 8, 1971, PROVO US, pages 121 - 123, XP002084078
- [X] D. BHATTACHARJEE ET AL: "Reissert compound studies. XXXV. Acid-catalyzed condensations of the phthalazine Reissert compound and condensations of phthalazine Reissert compound salt", JOURNAL OF HETEROCYCLIC CHEMISTRY., vol. 17, 1980, PROVO US, pages 1035 - 1040, XP002084079
- [X] H. STETTER ET AL: "Addition von Aldehyden an aktivierte Doppelbindungen. XV (1. Synthese von gamma-Diketonen mit heterocyclischen Substituenten und deren Umsetzung zu N-Methylpyrrolen und Chinolizidin bzw. Indolizidin Systemen)", JOURNAL OF HETEROCYCLIC CHEMISTRY., vol. 14, 1977, PROVO US, pages 573 - 581, XP002084080
- [PA] CHEMICAL ABSTRACTS, vol. 124, no. 19, 6 May 1996, Columbus, Ohio, US; abstract no. 260752x, J. LEHUEDE ET AL: "Preparation of 1H-2,3,4,5-tetraarylpyrroles by oxidation of heterocyclic imine-enamines" page 1241; XP002084087 & SYNTH. COMMUN., vol. 26, no. 4, 1996, pages 793 - 802
- See references of WO 9705878A1

Designated contracting state (EPC)
AT BE CH DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)
WO 9705878 A1 19970220; AU 6769196 A 19970305; AU 699148 B2 19981126; CA 2228050 A1 19970220; EP 0871444 A1 19981021; EP 0871444 A4 19990113; JP H11510511 A 19990914

DOCDB simple family (application)
US 9612922 W 19960806; AU 6769196 A 19960806; CA 2228050 A 19960806; EP 96928099 A 19960806; JP 50866197 A 19960806