

Title (en)

SUBSTITUTED PYRIDYL PYRROLES, COMPOSITIONS CONTAINING SUCH COMPOUNDS AND METHODS OF USE

Title (de)

SUBSTITUIERTE PYRIDYLPYRROLE, SOLCHE VERBINDUNGEN ENTHALTENDE ZUBEREITUNGEN UND VERFAHREN ZU DEREN NUTZUNG

Title (fr)

PYRROLES DE PYRIDYLE SUBSTITUES, COMPOSITIONS CONTENANT DE TELS COMPOSES ET MODE D'UTILISATION

Publication

EP 0859771 A4 20000315 (EN)

Application

EP 96942022 A 19961030

Priority

- GB 9605158 A 19960312
- GB 9612062 A 19960610
- US 9618539 W 19961030
- US 710095 P 19951031
- US 1556596 P 19960418

Abstract (en)

[origin: WO9716442A1] The present invention addresses substituted pyridyl pyrroles, as well as compositions containing such compounds and methods of treatment. The compounds in the present invention are glucagon antagonists and inhibitors of the biosynthesis and action of TNF- α and IL1. The compounds block the action of glucagon at its receptors and thereby decrease the levels of plasma glucose. The instant pyrroles are also inhibitors of TNF- α and IL1 and may be used as antidiabetic agents as well as other cytokine mediated diseases. Cytokine mediated diseases refer to diseases or conditions in which excessive or unregulated production of one or more cytokines occurs. Interleukin-1 (IL-1) and Tumor Necrosis Factor (TNF) are cytokines produced by a variety of cells, which are involved in immunoregulation and other physiological conditions, such as inflammation.

IPC 1-7

C07D 401/04; A61K 31/44; C07D 403/04; C07D 409/14; C07D 407/14; C07D 401/14; C07D 413/14; C07D 417/14

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 31/472** (2006.01); **A61K 31/4725** (2006.01); **A61K 31/495** (2006.01); **A61K 31/496** (2006.01); **A61K 31/50** (2006.01); **A61K 31/501** (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 3/00** (2006.01); **A61P 3/10** (2006.01); **A61P 7/00** (2006.01); **A61P 9/00** (2006.01); **A61P 9/10** (2006.01); **A61P 11/00** (2006.01); **A61P 19/00** (2006.01); **A61P 29/00** (2006.01); **A61P 31/00** (2006.01); **A61P 31/12** (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 417/14** (2006.01)

CPC (source: EP)

A61P 1/00 (2017.12); **A61P 3/00** (2017.12); **A61P 3/10** (2017.12); **A61P 7/00** (2017.12); **A61P 9/00** (2017.12); **A61P 9/10** (2017.12); **A61P 11/00** (2017.12); **A61P 19/00** (2017.12); **A61P 29/00** (2017.12); **A61P 31/00** (2017.12); **A61P 31/12** (2017.12); **A61P 37/00** (2017.12); **A61P 43/00** (2017.12); **C07D 401/04** (2013.01); **C07D 401/14** (2013.01)

Citation (search report)

- [A] WO 9314081 A1 19930722 - SMITHKLINE BEECHAM CORP [US]
- [A] FR 2113861 A1 19720630 - PFIZER
- [A] EP 0034798 A2 19810902 - DU PONT [US]
- [X] KONAKAHARA, TAKEO ET AL: "One-pot synthesis of pyrroles from N-silyl-1-azaallyl anions", HETEROCYCLES (1993), 35(2), 1171-84, 1993, XP000857214
- [X] SILVESTRI, G. ET AL: "Electrochemical oxidation of 2,4,5-triaryl-substituted pyrroles. II. Oxidative dimerization of 4,5-diphenyl-2-mesitylpyrrole", J. HETEROCYCL. CHEM. (1989), 26(2), 489-92, 1989, XP000857212
- [X] SILVESTRI, G. ET AL: "Electrochemical oxidation of substituted pyrroles. IV. The influence of soluble bases", J. HETEROCYCL. CHEM. (1992), 29(7), 1847-50, 1992, XP000857213
- See references of WO 9716442A1

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 9716442 A1 19970509; AU 1120897 A 19970522; AU 702887 B2 19990311; EP 0859771 A1 19980826; EP 0859771 A4 20000315; JP H11514651 A 19991214

DOCDB simple family (application)

US 9618539 W 19961030; AU 1120897 A 19961030; EP 96942022 A 19961030; JP 51764297 A 19961030