

Title (en)

PROCESS FOR THE PREPARATION OF SPIROINDOLINES

Title (de)

VERFAHREN ZUR HERSTELLUNG VON SPIROINDOLINEN

Title (fr)

PROCEDE DE PREPARATION DE SPIROINDOLINES

Publication

EP 0823904 A4 19980909 (EN)

Application

EP 96911786 A 19960415

Priority

- US 9605259 W 19960415
- US 42512895 A 19950419

Abstract (en)

[origin: WO9633189A1] The present invention is directed to a novel process for the preparation of a spiroindoline sulfonamides of formula (I), wherein L is hydrogen or an amino protecting group. These compounds are useful in the preparation of certain spiro compounds which have the ability to stimulate the release of natural or endogenous growth hormone. The spiro compounds may be used to treat conditions which require the stimulation of growth hormone production or secretion such as in humans with a deficiency of natural growth hormone or in animals used for food or wool production where the stimulation of growth hormone will result in a larger, more productive animal.

IPC 1-7

C07D 401/04

IPC 8 full level

C07D 471/10 (2006.01)

CPC (source: EP)

C07D 471/10 (2013.01); **Y02P 20/55** (2015.11)

Citation (search report)

- [Y] JP S53132578 A 19781118 - HOECHST AG
- [YD] WO 9413696 A1 19940623 - MERCK & CO INC [US], et al
- [Y] BENITO,Y. ET AL.: "Synthesis of 1-Methylspiro(3H-Indole-3-n'-piperidines) from 1-Methyl-n-piperidincarbalddehydes", J.HETEROCYCLIC.CHEM., vol. 24, no. 3, 1987, ALBUQUERQUE, pages 623 - 628, XP002066963
- [Y] LYLE,R.E. ET AL.: "On the direction of Cyclisation of Unsymmetrical Ketone Phenylhydrazones in the FISCHER-Indole Synthesis", CHEM.COMMUN., vol. 18, 1966, LONDON, pages 644 - 646, XP002066964
- [T] HUTCHINS S M ET AL: "Fischer Indole Synthesis on a Solid Support", TETRAHEDRON LETTERS, vol. 37, no. 28, 8 July 1996 (1996-07-08), pages 4869-4872, XP004029535
- See references of WO 9633189A1

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 9633189 A1 19961024; AU 5486396 A 19961107; EP 0823904 A1 19980218; EP 0823904 A4 19980909

DOCDB simple family (application)

US 9605259 W 19960415; AU 5486396 A 19960415; EP 96911786 A 19960415