

Title (en)

NOVEL 2-SUBSTITUTED ESTRA-1,3,5(10)-TRIEN-17-ONES USED IN THE FORM OF INHIBITORS OF 17BETA-HYDROXYSTEROIDDEHYDROGENASE OF TYPE 1

Title (de)

NEUE 2-SUBSTITUIERTE ESTRA-1,3,5(10)-TRIEN-17-ONE ALS INHIBITOREN DER 17BETA-HYDROXY-STEROIDDEHYDROGENASE TYP 1

Title (fr)

NOUVELLES OESTRA-1,3,5(10)-TRIENE-17-ONES 2-SUBSTITUEES, UTILISEES COMME INHIBITEURS DE LA 17BETA-HYDROXYSTEROIDE-DEHYDROGENASE DE TYPE 1

Publication

EP 1771461 A2 20070411 (DE)

Application

EP 05767936 A 20050704

Priority

- EP 2005007315 W 20050704
- DE 102004032674 A 20040702

Abstract (en)

[origin: WO2006003013A2] The invention relates to novel 2-substituted estra-1,3,5(10)-trien-17-ones of formula (I), wherein R² is an C₁₋₈-alkyl saturated or unsaturated group, an C₁₋₅-alkyloxy group, an aralkyl- or alkylaryl rest, an -O-C_n-F_m-H_o rest, wherein n=1,2,3,4,5 or 6, m=1 and m = 2n+1, or a CH₂-XY group in which X is an oxygen atom and Y is an alkyl rest containing 1 to 4 carbon atoms, a halogen atom and a nitrile group, R¹³ is a hydrogen atom or a methyl group, R₁₆ is a hydrogen or fluorine atom, Z is an oxygen or sulfur atom, each R⁴ and R⁶ independently of each other represents a α or β hydrogen atom, an C₁₋₅-alkyl, C₁₋₅-alkyloxy, C₁₋₅-acyl or hydroxy group or an aralkyl- or alkylaryl rest, R₃ and R₄ represent together an oxygen atom, R₅ and R₆ represent together an oxygen atom, each R⁷ and R⁸ represents a hydrogen atom or together an oxygen atom, each R⁷ and R⁸ represents a hydrogen atom or together a CH₂ group. Pharmaceutically acceptable salts of said compounds, the production and use thereof in the form of drugs which are usable for preventing and treating estrogen-dependent diseases and are influenced by inhibiting 17 β -hydroxysteroiddehydrogenase of type 1 are also disclosed.

IPC 8 full level

C07J 1/00 (2006.01); **A61K 31/566** (2006.01); **A61P 5/32** (2006.01); **C07J 31/00** (2006.01); **C07J 41/00** (2006.01); **C07J 53/00** (2006.01)

CPC (source: EP)

A61K 31/565 (2013.01); **A61K 45/06** (2013.01); **A61P 5/30** (2017.12); **A61P 5/32** (2017.12); **A61P 15/08** (2017.12); **A61P 35/00** (2017.12); **A61P 43/00** (2017.12); **C07J 1/0059** (2013.01); **C07J 31/003** (2013.01); **C07J 41/0094** (2013.01); **C07J 53/004** (2013.01)

Citation (search report)

See references of WO 2006003013A2

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

DE 102004032674 A1 20060126; EP 1771461 A2 20070411; JP 2008504338 A 20080214; WO 2006003013 A2 20060112; WO 2006003013 A3 20060622; WO 2006003013 B1 20060831

DOCDB simple family (application)

DE 102004032674 A 20040702; EP 05767936 A 20050704; EP 2005007315 W 20050704; JP 2007518558 A 20050704