

Title (en)

Substituted estra-1,3,5(10),6-tetraenes, process for their preparation and use in the synthesis of tritium labelled steroids.

Title (de)

Substituierte Estra-1,3,5(10),6-tetraene, Verfahren zur Herstellung und Verwendung in der Synthese von Tritium markierten Steroiden.

Title (fr)

Estra-1,3,5(10),6-tétraènes substitués, procédé de préparation et application dans la synthèse de stéroïdes marqués au tritium.

Publication

**EP 0000300 A1 19790110 (FR)**

Application

**EP 78400016 A 19780612**

Priority

FR 7719613 A 19770627

Abstract (en)

[origin: US4191697A] Novel DELTA 1,3,5(10),6-estratetraenes of the formula <IMAGE> I R is selected from the group consisting of hydrogen, acyl of an alkanolic acid of 1 to 5 carbon atoms, optionally substituted benzoyl, tetrahydropyranyl, trityl and trimethylsilyl and R1 is selected from the group consisting of acyl of an alkanolic acid of 1 to 5 carbon atoms, optionally substituted benzoyl, tetrahydropyranyl, trityl and trimethylsilyl, novel intermediates therefore, process for the preparation of estradiols marked with a tritium atom and the novel tritiated estradiols which are useful to the study and dosage of specific receptors of estrogen.

Abstract (fr)

L'invention a pour objet les stéroïdes nouveaux de formule I: <IMAGE> dans laquelle R représente de l'hydrogène ou R', R' représente un acyle, un benzoyle substitué ou non, un radical tétrahydropyranyle, trityle ou triméthylsilyle et R1 représente un acyle, un benzoyle substitué ou non, un radical tétrahydropyranyle, trityle ou triméthylsilyle, ainsi que leur procédé de préparation et leur application à la préparation de stéroïdes marqués au tritium.

IPC 1-7

**C07J 1/00**; **C07B 23/00**; **C07J 17/00**; **C07J 51/00**

IPC 8 full level

**A61K 51/00** (2006.01); **C07J 1/00** (2006.01); **C07J 17/00** (2006.01); **C07J 51/00** (2006.01); **G01N 33/534** (2006.01); **G01N 33/60** (2006.01)

CPC (source: EP US)

**C07J 1/007** (2013.01 - EP US)

Citation (search report)

- GB 1151404 A 19690507 - ROUSSEL UCLAF [FR]
- US 3020294 A 19620206 - CARL DJERASSI, et al
- CHEMICAL ABSTRACTS, vol. 82 (1975) 43644y & YAKUGAKU ZASSHI, 1974 94(11) 1484-8.

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EP0431327A1; DE102017119621A1

Designated contracting state (EPC)

BE CH DE GB NL SE

DOCDB simple family (publication)

**EP 0000300 A1 19790110**; **EP 0000300 B1 19820106**; CA 1130277 A 19820824; DE 2861501 D1 19820225; FR 2401173 A1 19790323; FR 2401173 B1 19800404; IT 1105060 B 19851028; IT 7850022 A0 19780626; JP S5412362 A 19790130; JP S62142196 A 19870625; JP S6220196 B2 19870506; JP S6360035 B2 19881122; US 4191697 A 19800304

DOCDB simple family (application)

**EP 78400016 A 19780612**; CA 306095 A 19780623; DE 2861501 T 19780612; FR 7719613 A 19770627; IT 5002278 A 19780626; JP 28221186 A 19861128; JP 7660378 A 19780626; US 91560178 A 19780615