

Title (en)
17-HYDROXY-19-NOR-21-CARBOXYLIC ACID-STEROID -LACTONE DERIVATIVE, USE THEREOF, AND MEDICAMENT CONTAINING THE DERIVATIVE

Title (de)
17-HYDROXY-19-NOR-21-CARBONSÄURE-STEROID Y-LACTON-DERIVAT, DESSEN VERWENDUNG UND DAS DERIVAT ENTHALTENDE ARZNEIMITTEL

Title (fr)
DÉRIVÉ DE 17-HYDROXY-19-NOR-21-ACIDE CARBOXYLIQUE-STÉROÏDE -LACTONE, SON UTILISATION, ET MÉDICAMENTS CONTENANT LE DÉRIVÉ

Publication
EP 2238151 A1 20101013 (DE)

Application
EP 08868806 A 20081223

Priority
• EP 2008011159 W 20081223
• DE 102007063503 A 20071229

Abstract (en)
[origin: US2011021472A1] The invention relates to 17-hydroxy-19-nor-21-carboxylic acid-steroid γ -lactone derivatives with the chemical formula I, where R₄, R_{6a}, R_{6b}, R₇, R₁₅, R_{16a}, R_{16b}, R₁₈ and Z have the meanings stated in claim 1, and their solvates, hydrates, stereoisomers and salts. The invention further relates to the use of these derivatives for the production of a medicinal product for oral contraception and for the treatment of pre-, peri- and postmenopausal complaints and medicinal products that contain said derivatives. The derivatives according to the invention have a progestational and in preferred cases additionally an antimineralocorticoid and neutral to slightly androgenic action.

IPC 8 full level
C07J 53/00 (2006.01); **A61K 31/585** (2006.01); **A61P 5/34** (2006.01)

CPC (source: EP US)
A61P 5/00 (2017.12 - EP); **A61P 5/26** (2017.12 - EP); **A61P 5/30** (2017.12 - EP); **A61P 5/34** (2017.12 - EP); **A61P 5/42** (2017.12 - EP); **A61P 15/00** (2017.12 - EP); **A61P 15/12** (2017.12 - EP); **A61P 15/18** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **C07J 19/00** (2013.01 - EP US); **C07J 53/00** (2013.01 - EP US)

Citation (search report)
See references of WO 2009083266A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
US 2011021472 A1 20110127; US 8937058 B2 20150120; AR 069966 A1 20100303; AU 2008342910 A1 20090709; BR PI0821922 A2 20150616; CA 2710491 A1 20090709; CA 2710491 C 20151103; CL 2008003918 A1 20100115; CN 101910190 A 20101208; CO 6300845 A2 20110721; CR 11545 A 20100827; DE 102007063503 A1 20090702; DO P2010000198 A 20100831; EC SP10010318 A 20100831; EP 2238151 A1 20101013; IL 206379 A0 20101230; JP 2011507924 A 20110310; JP 5600068 B2 20141001; KR 20100102688 A 20100924; PA 8809701 A1 20090723; PE 20091362 A1 20091015; TW 200940073 A 20091001; UY 31584 A1 20090803; WO 2009083266 A1 20090709; ZA 201005396 B 20120125

DOCDB simple family (application)
US 81099108 A 20081223; AR P080105703 A 20081223; AU 2008342910 A 20081223; BR PI0821922 A 20081223; CA 2710491 A 20081223; CL 2008003918 A 20081229; CN 200880123431 A 20081223; CO 10078679 A 20100629; CR 11545 A 20100629; DE 102007063503 A 20071229; DO 2010000198 A 20100629; EC SP10010318 A 20100629; EP 08868806 A 20081223; EP 2008011159 W 20081223; IL 20637910 A 20100615; JP 2010540078 A 20081223; KR 20107016941 A 20081223; PA 8809701 A 20081223; PE 2008002191 A 20081229; TW 97150069 A 20081222; UY 31584 A 20081226; ZA 201005396 A 20100728