

Title (en)  
A NEW CRYSTALLINE FORM OF ANHYDROUS 17-

Title (de)  
NEUE KRISTALLINE FORM VON WASSERFREIEM 17-

Title (fr)  
NOUVELLE FORME CRISTALLINE DE 17-

Publication  
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Application  
**EP 18864585 A 20181003**

Priority

- PL 42304117 A 20171003
- PL 2018050050 W 20181003

Abstract (en)  
[origin: WO2019070139A1] A new crystalline form of anhydrous 17- $\beta$ -estradiol (estra-1,3,5(10)-triene-3,17 $\beta$ -diol), method of its preparation and its use have been disclosed.

IPC 8 full level  
**C07J 1/00** (2006.01); **A61K 31/565** (2006.01); **A61P 5/30** (2006.01); **A61P 15/18** (2006.01)

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**A61P 5/30** (2018.01); **A61P 15/18** (2018.01); **C07J 1/007** (2013.01); **C07B 2200/13** (2013.01)

Citation (search report)

- [X1] US 5997897 A 19991207 - HORSTMANN MICHAEL [DE], et al
- [X1] US 2002168395 A1 20021114 - SAVOIR JOHN-CLAUDE [MX], et al
- [X1] SALOLE E.G.: "The physicochemical properties of oestradiol", JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol. 5, no. 7, 1 January 1987 (1987-01-01), AMSTERDAM, NL, pages 635 - 648, XP055802013, ISSN: 0731-7085, DOI: 10.1016/0731-7085(87)80076-6
- [X1] KUHNERT-BRANDSTÄTTER UND H WINKLER M: "Thermoanalytische und IR-spektroskopische Untersuchungen an verschiedenen Kristallformen von Arzneistoffen aus der Östradiol- und Androstangruppe", SCIENTIA PHARMACEUTICA, OESTERREICHISCHE APOTHEKER-VERLAGSGESELLSCHAFT MBH, AUSTRIA, vol. 44, no. 3, 30 September 1976 (1976-09-30), pages 177 - 190, XP009527368, ISSN: 0036-8709
- [X1] VARIANKAVAL N E ET AL: "Characterization of crystal forms of @b-estradiol - thermal analysis, Raman microscopy, X-ray analysis and solid-state NMR", JOURNAL OF CRYSTAL GROWTH, ELSEVIER, AMSTERDAM, NL, vol. 217, no. 3, 1 August 2000 (2000-08-01), pages 320 - 331, XP004213544, ISSN: 0022-0248, DOI: 10.1016/S0022-0248(00)00442-5
- See also references of WO 2019070139A1

Designated contracting state (EPC)  
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