

Product Data Sheet

Product Name: Estradiol dipropionate

Cat. No.: GC60815

Chemical Properties

Cas. No. 113-38-2

SMILES C[C@@]12[C@@H](OC(CC)=O)CC[C@@]1([H])[C@]3([H])CCC4=C(C=CC(OC(CC)=O)=C4)[C@@]3([H])CC2

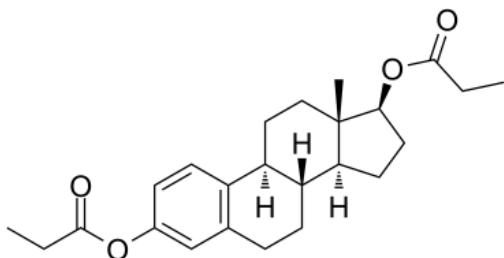
Formula $C_{24}H_{32}O_4$ M.Wt 384.51

Solubility DMSO: 62.5 mg/mL (162.54 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Caution: Product has not been fully validated for medical applications. For research use only.

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Background

Estradiol dipropionate is a combined estrogen-progesterone, acts as an estrogen and progesterone agonist[1].

Treatment of Estradiol dipropionate (2µg per 100 g; single subcutaneous injection) and Chorionic gonadotropin (10 IU per 100 g; sc; twice a day) for 2 days, levels of β -catenin and GSK-3 β in luminal and glandular epithelia are lower in Ovariectomized mice[1]. Treatment of Estradiol dipropionate (2 µg per 100 g; once a week) and Chorionic gonadotropin ((10 IU per 100 g; once a day) for a month, the incidence of atypical endometrial hyperplasia is significantly higher, the level of β -catenin is slightly higher, and the expression of GSK-3 β is lower in luminal and glandular epithelia[1].

[1]. A G Gunin, et al. Uterine Response to Estradiol Under Action of Chorionic Gonadotropin in Mice. Int J Gynecol Cancer. Jul-Aug 2003;13(4):485-96.

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