

Product Data Sheet

Product Name: Medroxyprogesterone acetate D3

Cat. No.: GC61850

Chemical Properties

Cas. No.

SMILES CC([C@@]1(OC(C([2H])([2H])[2H])=O)CC[C@@]2([H])[C@]3([H])C[C@H](C)C4=CC(C[C@]4(C)[C@@]3([H])CC[C@@]21C)=O)=O

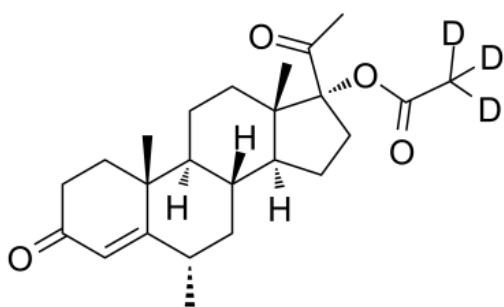
Formula $C_{24}H_{31}D_3O_4$ M.Wt 389.54

Solubility DMSO : 10 mg/mL (25.67 mM; Need ultrasonic); Ethanol : 6.25 mg/mL (16.04 mM; ultrasonic and warming and heat to 60°C); H₂O : ≥ 0.1 mg/mL (0.26 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



Background

Medroxyprogesterone acetate D3 is deuterium labeled Medroxyprogesterone acetate.

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

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Medroxyprogesterone acetate is a widely used synthetic steroid by its interaction with progesterone, androgen and glucocorticoid receptors[1].

References:

[1]. Schindler AE, et al. Classification and pharmacology of progestins. Maturitas. 2008 Sep-Oct;61(1-2):171-80.

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