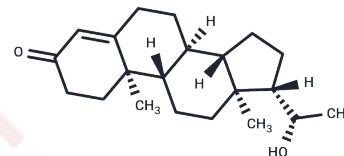


20 α -Dihydroprogesterone

Chemical Properties

CAS No. :	145-14-2
Formula:	C ₂₁ H ₃₂ O ₂
Molecular Weight:	316.48
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	20 α -Dihydroprogesterone is one of the major metabolites of progesterone, produced by the action of 20-hydroxylase. In vivo, 20 α -Dihydroprogesterone exhibits weak progesterone-like activity and can bind to progesterone receptors to participate in hormonal regulation. 20 α -Dihydroprogesterone inhibits cell proliferation and migration in breast tissue.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 40 mg/mL (126.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1598 mL	15.7988 mL	31.5976 mL
5 mM	0.632 mL	3.1598 mL	6.3195 mL
10 mM	0.316 mL	1.5799 mL	3.1598 mL
50 mM	0.0632 mL	0.316 mL	0.632 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Pillai GV, et al. Multiple structural features of steroids mediate subtype-selective effects on human α 4 β 3 δ GABA_A receptors. *Biochem Pharmacol.* 2004;68(5):819-831.

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