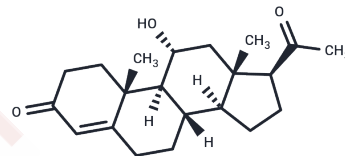


11alpha-Hydroxyprogesterone

Chemical Properties

CAS No. :	80-75-1
Formula:	C ₂₁ H ₃₀ O ₃
Molecular Weight:	330.468
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	11alpha-Hydroxyprogesterone, an inactive analogue of 11beta-Hydroxyprogesterone, serves as an experimental control. Meanwhile, 11beta-Hydroxyprogesterone functions as a potent inhibitor of 11β-Hydroxysteroid dehydrogenase and activates the human mineralocorticoid receptor in COS-7 cells, with an effective dose (ED) ₅₀ of 10 nM.
Targets(IC ₅₀)	Others,Dehydrogenase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.026 mL	15.130 mL	30.2599 mL
5 mM	0.6052 mL	3.026 mL	6.052 mL
10 mM	0.3026 mL	1.513 mL	3.026 mL
50 mM	0.0605 mL	0.3026 mL	0.6052 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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