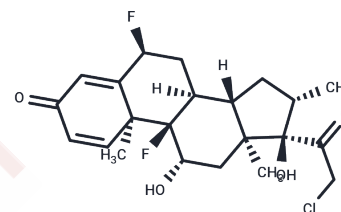


Halobetasol

Chemical Properties

CAS No. :	98651-66-2
Formula:	C ₂₂ H ₂₇ ClF ₂ O ₄
Molecular Weight:	428.9
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	Halobetasol (Ulobetasol), a corticosteroid, is utilized in the research of severe localized psoriasis [1].
Targets(IC50)	Glucocorticoid Receptor,Others
In vitro	Cell Viability Assay [2] using HaCaT and THP-1 cell lines demonstrated that exposure to the compound at concentrations ranging from 0.05-12.85 μ M for 24 hours reduced cell viability by up to 50% at a dilution of 1/20.
In vivo	In an animal model study involving New Zealand male albino rabbits [2], a 0.5 ml dosage administered via intradermal injection resulted in blisters that were approximately 35% smaller in size.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3315 mL	11.6577 mL	23.3155 mL
5 mM	0.4663 mL	2.3315 mL	4.6631 mL
10 mM	0.2332 mL	1.1658 mL	2.3315 mL
50 mM	0.0466 mL	0.2332 mL	0.4663 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.

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