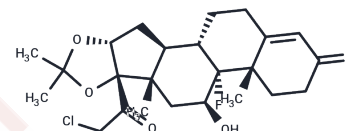


Halcinonide

Chemical Properties

CAS No. :	3093-35-4
Formula:	C ₂₄ H ₃₂ ClFO ₅
Molecular Weight:	454.96
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	Halcinonide (Halciderm), a high-efficiency corticosteroid, is served as an anti-inflammatory agent used in topical preparations.
Targets(IC50)	Glucocorticoid Receptor, Smo
In vitro	After administering 0.1% Halcinonide cream for three days, the total number of peritoneal white blood cells in rats decreased from 270 million to 120.73 million. The same dosage of the drug, when applied to the surface of injured rat cecum for 3 and 7 days, significantly reduced the average adhesion scores, with the adhesion rates in the experimental and control groups being 43.3% and 100%, respectively.
In vivo	Halcinonide interacts with hormone receptors in the cytoplasm, eliciting anti-inflammatory effects. It is employed in the treatment of certain skin disorders.

Solubility Information

Solubility	DMSO: 45 mg/mL (98.91 mM), Sonication is recommended. H ₂ O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 4 mg/mL (8.79 mM), Heating 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	2.198 mL	10.990 mL	21.980 mL
5 mM	0.4396 mL	2.198 mL	4.396 mL
10 mM	0.2198 mL	1.099 mL	2.198 mL
50 mM	0.044 mL	0.2198 mL	0.4396 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

Zhang YD, et al. Am J Surg, 2002, 184(1), 74-77.

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