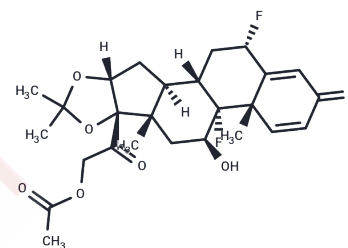


Fluocinonide

Chemical Properties

CAS No. : 356-12-7
 Formula: C₂₆H₃₂F₂O₇
 Molecular Weight: 494.52
 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	Fluocinonide (Topsyn) (Vanos) is an effective glucocorticoid steroid, utilized in the treatment as the skin disorders anti-inflammatory agent.
Targets(IC50)	Glucocorticoid Receptor
In vitro	Fluocinonide can effectively induce and maintain pituitary-adrenal cortex suppression in dogs.
In vivo	Fluocinonide cream demonstrates lower efficacy for atrophic changes in the skin.

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), H ₂ O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 92 mg/mL (186.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.3 mg/mL (6.67 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0222 mL	10.1108 mL	20.2216 mL
5 mM	0.4044 mL	2.0222 mL	4.0443 mL
10 mM	0.2022 mL	1.0111 mL	2.0222 mL
50 mM	0.0404 mL	0.2022 mL	0.4044 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

Gans EH, et al. J Drugs Dermatol, 2008, 7(1), 28-32.

Zenoble RD, et al. J Am Vet Med Assoc, 1987, 191(6), 685-688.

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