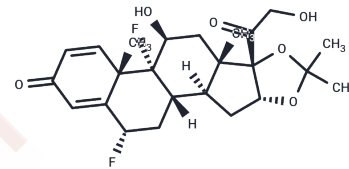


Fluocinolone (Acetonide)

Chemical Properties

CAS No. :	67-73-2
Formula:	C ₂₄ H ₃₀ F ₂ O ₆
Molecular Weight:	452.49
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	Fluocinolone Acetonide (Flucort-N) is a glucocorticoid derivative used topically in the treatment of various skin disorders. It is usually employed as a cream, gel, lotion, or ointment. It has also been used topically in the treatment of inflammatory eye, ear, and nose disorders.
Targets(IC50)	Glucocorticoid Receptor, Wnt/beta-catenin

Solubility Information

Solubility	Ethanol: 10 mg/mL (22.1 mM), Sonication is recommended. DMSO: 125 mg/mL (276.25 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (7.29 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	2.210 mL	11.050 mL	22.0999 mL
5 mM	0.442 mL	2.210 mL	4.420 mL
10 mM	0.221 mL	1.105 mL	2.210 mL
50 mM	0.0442 mL	0.221 mL	0.442 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

Nehme, A., et al., Glucocorticoids with different chemical structures but similar glucocorticoid receptor potency regulate subsets of common and unique genes in human trabecular meshwork cells. BMC Med Genomics, 2009. 2: p. 58.

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