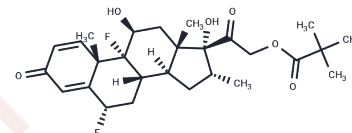


Flumethasone pivalate

Chemical Properties

CAS No. :	2002-29-1
Formula:	C ₂₇ H ₃₆ F ₂ O ₆
Molecular Weight:	494.57
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	Flumethasone pivalate (Locorten) has antipruritic, anti-inflammatory, and vasoconstrictive properties and can be used in studies about adrenocortical suppression, cutaneous atrophy, plasma transcortin binding, and telangiectasia.
Targets(IC50)	Glucocorticoid Receptor,Others

Solubility Information

Solubility	DMSO: 22.5 mg/mL (45.49 mM),Sonication 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	2.022 mL	10.1098 mL	20.2196 mL
5 mM	0.4044 mL	2.022 mL	4.0439 mL
10 mM	0.2022 mL	1.011 mL	2.022 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

- Scaglione F, et al. Flumethasone pivalate (Locorten) in the treatment of oral diseases. *Drugs Exp Clin Res.* 1985;11 (8):523-6.
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- Abdel-Aleem EA, et al. Novel spectrophotometric determination of flumethasone pivalate and clioquinol in their binary mixture and pharmaceutical formulation. *Spectrochim Acta A Mol Biomol Spectrosc.* 2015 Feb 5;136 Pt B: 707-13.
- Hojyo T. Combination dermatological products: a comparison of betamethasone dipropionate/clotrimazole/gentamicin sulphate and flumethasone pivalate/cliquinol creams. *J Int Med Res.* 1987 Sep-Oct;15(5):255-63.

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