

Flurandrenolide

Chemical Properties

CAS No. : 1524-88-5

Formula: C₂₄H₃₃FO₆

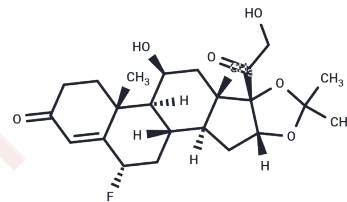
Molecular Weight: 436.51

Storage:

Store at low temperature, Keep away from direct sunlight

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	Flurandrenolide is a corticosteroid with anti-inflammatory effects that activates EGFR (EC ₅₀ =23 nM).
Targets(IC ₅₀)	EGFR, Immunology/Inflammation related

Solubility Information

Solubility	Ethanol: 15 mg/mL (34.36 mM), Sonication is recommended. DMSO: 80 mg/mL (183.27 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	2.2909 mL	11.4545 mL	22.909 mL
5 mM	0.4582 mL	2.2909 mL	4.5818 mL
10 mM	0.2291 mL	1.1454 mL	2.2909 mL
50 mM	0.0458 mL	0.2291 mL	0.4582 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

Boris A, et al. Assessment of topical anti-inflammatory activity in rats with cantharidin-induced inflammation. J Invest Dermatol. 1977;68(3):161-164.

Antczak C, et al. A high-content biosensor-based screen identifies cell-permeable activators and inhibitors of EGFR function: implications in drug discovery. J Biomol Screen. 2012;17(7):885-899.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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