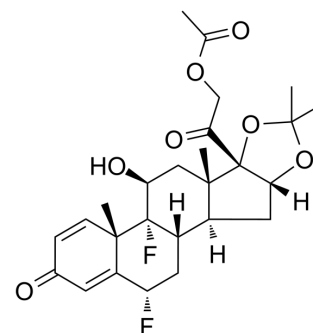


Fluocinonide

Cat. No.:	HY-B0485		
CAS No.:	356-12-7		
Molecular Formula:	C ₂₆ H ₃₂ F ₂ O ₇		
Molecular Weight:	494.52		
Target:	Glucocorticoid Receptor		
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (202.22 mM; Need ultrasonic)
 H₂O : < 0.1 mg/mL (insoluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (5.06 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Fluocinonide (Vanos) is a potent glucocorticoid steroid used topically as anti-inflammatory agent for the treatment of skin disorders. Target: Glucocorticoid Receptor Fluocinonide is a potent glucocorticoid steroid used topically as an anti-inflammatory agent for the treatment of skin disorders such as eczema and seborrhoeic dermatitis. Fluocinonide ranks as a "high-potency" topical corticosteroid. Minimal amounts should be used for a minimal length of time to avoid the occurrence of adverse effects. Fluocinonide should not be used if infection is present. Fluocinonide is used in veterinary medicine. It is a treatment for allergies in dogs. Natural systemic cortisol concentrations can be suppressed for weeks after one week of topical exposure. From Wikipedia.

REFERENCES

Caution: Product has not been fully validated for medical applications. For research use only.

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