



Product Information

Product ID F4582

CAS No. 67-73-2

Chemical Name (6 α ,11 β ,16 α)-6,9-Difluoro-11,21-dihydroxy-16,17- [(91-methylethylidene)bis(oxy)]-pregna-1,4-diene- 3,20-dione

Synonym Coriphate, Dermalar, Fluonid, Fluvean, Jellin, Synalar, Synemol, Synsac

Formula C₂₄H₃₀F₂O₆

Formula Wt. 452.49

Melting Point 265-266 °C

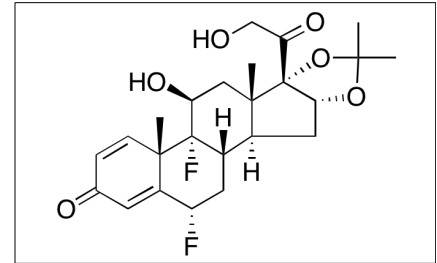
Purity ≥98%

Solubility Slightly soluble in water (<1 mg/mL). Ethanol (22 mg/mL).

Store Temp Ambient

Ship Temp Ambient

Description Fluocinolone is a synthetic hydrocortisone derivative that exhibits anti-inflammatory and anti-pruritic activities. Fluocinolone is a corticosteroid that is clinically used to treat ocular inflammation. In dental pulp cells, fluocinolone downregulates expression of pro-inflammatory cytokines and upregulates expression of PPAR γ .



Bulk quantities available upon request

Product ID	Size
F4582	25 mg
F4582	100 mg
F4582	250 mg
F4582	1 g

References Cunha-Vaz J, Ashton P, Iezzi R, et al. Sustained Delivery Fluocinolone Acetonide Vitreous Implants: Long-Term Benefit in Patients with Chronic Diabetic Macular Edema. *Ophthalmology*. 2014 Jun 13. [Epub ahead of print]. PMID: 24935282.

Liu Z, Jiang T, Wang X, et al. Fluocinolone acetonide partially restores the mineralization of LPS-stimulated dental pulp cells through inhibition of NF- κ B pathway and activation of AP-1 pathway. *Br J Pharmacol*. 2013 Nov;170(6):1262-71. PMID: 24024985.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.