

Fluocinolone (Acetonide)

Catalog No: tcsc2519



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

67-73-2

Formula:

$C_{24}H_{30}F_2O_6$

Pathway:

GPCR/G Protein

Target:

Glucocorticoid Receptor

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 31 mg/mL (68.51 mM)

Observed Molecular Weight:

452.49

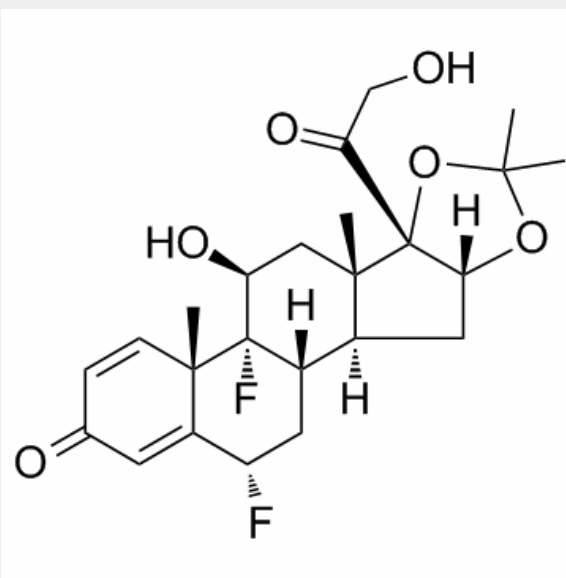
Product Description

Fluocinolone Acetonide is a glucocorticoid derivative used topically in the treatment of various skin disorders.

Target: Glucocorticoid Receptor

Fluocinolone acetonide is a corticosteroid primarily used in dermatology to reduce skin inflammation and relieve itching. It is a synthetic hydrocortisone derivative. The fluorine substitution at position 9 in the steroid nucleus greatly enhances its activity. A

typical dosage strength used in dermatology is 0.01-0.025%. One such cream is sold under the brand name Flucort-N and includes the antibiotic neomycin. The Glucocorticoid Receptor (GR) binding affinity (IC₅₀) for Fluocinolone Acetonide (FA) was 2.0 nM, respectively. The values is similar to the GR transactivation EC₅₀ of 0.7 nM for FA, respectively [1, 2].



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