

Product Data Sheet

Product Name: Fluorometholone

Cat. No.: GC40771

Chemical Properties

Cas. No. 426-13-1

SMILES O=C1C=C[C@@]2(C)C([C@@H](C)C[C@]3([H])[C@]2(F)[C@@H](O)C[C@@]4(C)[C@@]3([H])CC[C@]4(O)C(C)=O)=C1

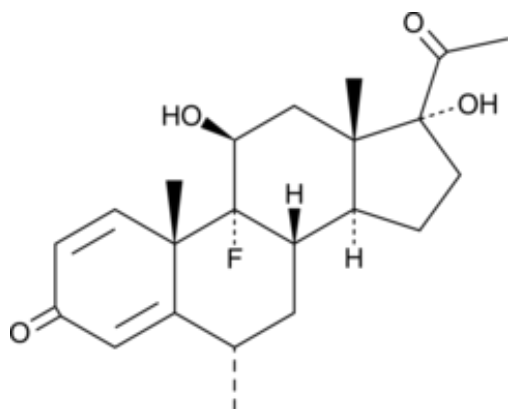
Formula C₂₂H₂₉FO₄ M.Wt 376.5

Solubility DMSO : 50 mg/mL (132.82 mM; Need ultrasonic) Storage 4°C, away from moisture and light

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Fluorometholone is a synthetic glucocorticoid that binds to glucocorticoid receptors (IC₅₀ = 1.5 nM; K_d = 2.8 nM in a radioligand binding assay). Fluorometholone (0.01%) decreases survival of cultured corneal epithelial cells and inhibits their migration in a scratch assay following 12 hours of treatment. Formulations containing fluorometholone have been used for the treatment of eye inflammation.

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

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