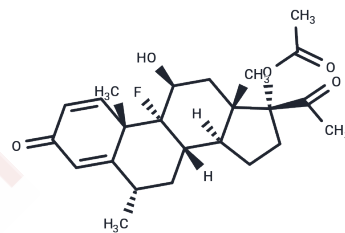


## Fluorometholone Acetate

## Chemical Properties

CAS No. :	3801-06-7
Formula:	C <sub>24</sub> H <sub>31</sub> FO <sub>5</sub>
Molecular Weight:	418.5
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Fluorometholone Acetate (Oxylone acetate) is a synthetic corticosteroid, used in the treatment of steroid responsive inflammatory conditions of the eye.
Targets(IC50)	Glucocorticoid Receptor,Carbonic Anhydrase
In vitro	Fluorometholone Acetate is a synthetic corticosteroid, used in the treatment of steroid responsive inflammatory conditions of the eye. [1]
In vivo	Hourly topical administration of the drug suspension produces an average reduction of 46.8% in the polymorphonuclear leukocytes invading the corneal stroma. In the cornea, fluorometholone acetate appears to have a greater efficacy, as compared to fluorometholone alcohol, for reducing the number of leukocytes invading that tissue following an inflammatory stimulus. Animal toxicity studies of fluorometholone, including acute intraperitoneal LD50s in mice and rats, subacute oral toxicity in rats and dogs, and subacute topical ocular toxicity in rabbits have demonstrated the safety of this drug for human use. [2]

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 84 mg/mL (200.72 mM),Sonication is recommended. Ethanol: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## A DRUG SCREENING EXPERT

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3895 mL	11.9474 mL	23.8949 mL
5 mM	0.4779 mL	2.3895 mL	4.779 mL
10 mM	0.2389 mL	1.1947 mL	2.3895 mL
50 mM	0.0478 mL	0.2389 mL	0.4779 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.

### Reference

Kupferman A, et al. Arch Ophthalmol, 1982, 100(4), 640-641.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

**This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use**

Tel: 781-999-4286    E\_mail: info@targetmol.com    Address: 36 Washington Street, Wellesley Hills, MA 02481