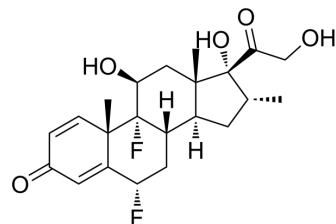


## Flumethasone

<b>Cat. No.:</b>	HY-B1051		
<b>CAS No.:</b>	2135-17-3		
<b>Molecular Formula:</b>	C <sub>22</sub> H <sub>28</sub> F <sub>2</sub> O <sub>5</sub>		
<b>Molecular Weight:</b>	410.45		
<b>Target:</b>	Fungal		
<b>Pathway:</b>	Anti-infection		
<b>Storage:</b>	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 (243.64 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4364 mL	12.1818 mL	24.3635 mL
	5 mM	0.4873 mL	2.4364 mL	4.8727 mL
	10 mM	0.2436 mL	1.2182 mL	2.4364 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (6.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (6.09 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (6.09 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Flumethasone is a corticosteroid for topical use, in combination with Clioquinol for the treatment of otitis externa and otomycosis. Flumethasone shows fully 420 times the potency of cortisone in an animal model for anti-inflammatory activity.

### CUSTOMER VALIDATION

- 
- Drug Test Anal. 2020 Aug 27.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

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

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