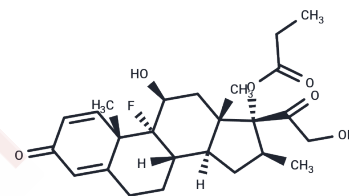


Betamethasone 17-Propionate

Chemical Properties

CAS No. :	5534-13-4
Formula:	C ₂₅ H ₃₃ F ₀ O ₆
Molecular Weight:	448.52
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Betamethasone 17-Propionate is a compound used in the study of its effects on endotoxin-induced uveitis in rats, capable of inhibiting cellular infiltration into the aqueous humor when administered topically or systemically at certain doses. However, compared to some other compounds, its inhibitory effects are relatively weaker. When administered systemically, the dosage is 1mg/kg. Additionally, in in vitro interleukin-8 (IL-8) release assays, Betamethasone 17-Propionate's suppression of IL-8 release from rat peritoneal exudate cells is less effective than that of betamethasone. Moreover, the concurrent addition of betamethasone dipropionate with Betamethasone 17-Propionate reduces the suppressive effects of betamethasone on cell infiltration and IL-1 β gene expression.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2296 mL	11.1478 mL	22.2955 mL
5 mM	0.4459 mL	2.2296 mL	4.4591 mL
10 mM	0.223 mL	1.1148 mL	2.2296 mL
50 mM	0.0446 mL	0.223 mL	0.4459 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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:34 Washington Street,Wellesley Hills,MA 02481