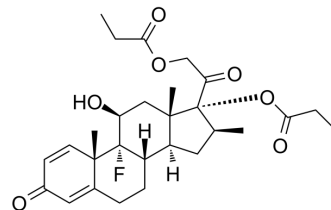


Betamethasone dipropionate

Cat. No.:	HY-13571
CAS No.:	5593-20-4
Molecular Formula:	C ₂₈ H ₃₇ FO ₇
Molecular Weight:	504.59
Target:	Glucocorticoid Receptor
Pathway:	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 110 mg/mL (218.00 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.9818 mL	9.9090 mL	19.8181 mL
		5 mM	0.3964 mL	1.9818 mL	3.9636 mL
10 mM		0.1982 mL	0.9909 mL	1.9818 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.75 mg/mL (5.45 mM); Suspended solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.75 mg/mL (5.45 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Betamethasone dipropionate is a glucocorticoid steroid with anti-inflammatory and immunosuppressive abilities.
IC₅₀ & Target	Glucocorticoid Receptor
In Vivo	Betamethasone dipropionate is a super high potency corticosteroid used to treat inflammatory skin conditions such as dermatitis, eczema and psoriasis. It is a synthetic analog of the adrenal corticosteroids. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Drug Delivery to the Lungs. 27, 2016.

See more customer validations on www.MedChemExpress.com

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

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