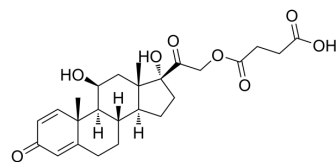


Prednisolone hemisuccinate

Cat. No.:	HY-B1087		
CAS No.:	2920-86-7		
Molecular Formula:	C ₂₅ H ₃₂ O ₈		
Molecular Weight:	460.52		
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 : 250 mg/mL (542.86 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.1715 mL	10.8573 mL	21.7146 mL
	5 mM	0.4343 mL	2.1715 mL	4.3429 mL
	10 mM	0.2171 mL	1.0857 mL	2.1715 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: ≥ 2.08 mg/mL (4.52 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (4.52 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (4.52 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Prednisolone hemisuccinate is a synthetic glucocorticoid, a derivative of cortisol, which is used to treat a variety of inflammatory and auto-immune conditions.

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

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