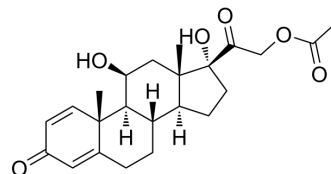


## Prednisolone acetate

<b>Cat. No.:</b>	HY-B1214		
<b>CAS No.:</b>	52-21-1		
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>30</sub> O <sub>6</sub>		
<b>Molecular Weight:</b>	402.48		
<b>Target:</b>	Glucocorticoid Receptor		
<b>Pathway:</b>	Immunology/Inflammation; Vitamin D Related/Nuclear Receptor		
<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 : 50 mg/mL (124.23 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.4846 mL	12.4230 mL	24.8460 mL
5 mM	0.4969 mL	2.4846 mL	4.9692 mL
10 mM	0.2485 mL	1.2423 mL	2.4846 mL

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

#### In Vivo

- Add each solvent one by one: 50% PEG300 >> 50% saline  
Solubility: 20 mg/mL (49.69 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 3 mg/mL (7.45 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 3 mg/mL (7.45 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 3 mg/mL (7.45 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Prednisolone acetate (Prednisolone 21-acetate) is an adrenocortical hormone active molecule with various pharmacological effects such as anti-inflammatory, anti-allergic, and immune suppression.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA