

## Hydrocortisone acetate

### Chemical Properties

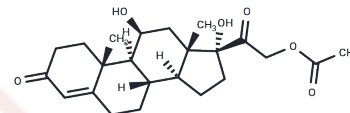
CAS No. : 50-03-3

Formula: C<sub>23</sub>H<sub>32</sub>O<sub>6</sub>

Molecular Weight: 404.5

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	Hydrocortisone acetate (Cortisol 21-acetate) is the synthetic acetate salt form of hydrocortisone, a corticosteroid with anti-inflammatory and immunosuppressive properties.
Targets(IC50)	Glucocorticoid Receptor,Annexin A,Endogenous Metabolite

### Solubility Information

Solubility	DMSO: 200 mg/mL (494.44 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (24.72 mM),Solution. 10% DMSO+90% Corn Oil: 2.5 mg/mL (6.18 mM),Sonication is recommended. 10% DMSO+90% Saline: < 10 mg/mL (24.72 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	2.4722 mL	12.3609 mL	24.7219 mL
5 mM	0.4944 mL	2.4722 mL	4.9444 mL
10 mM	0.2472 mL	1.2361 mL	2.4722 mL
50 mM	0.0494 mL	0.2472 mL	0.4944 mL

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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.

#### Reference

Grossman R, et al. Ann N Y Acad Sci. 2006 Jul;1071:410-21.

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