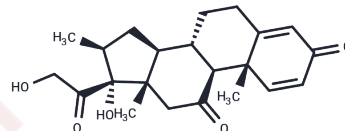


Meprednisone

Chemical Properties

CAS No. :	1247-42-3
Formula:	C ₂₂ H ₂₈ O ₅
Molecular Weight:	372.45
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	Betapar(Meprednisone (Betapar)) is a glucocorticoid and a methylated derivative of prednisone.
Targets(IC50)	Glucocorticoid Receptor, Autophagy

Solubility Information

Solubility	H ₂ O: < 1 mg/mL (insoluble), DMSO: 50 mg/mL (134.25 mM), Sonication is recommended. Ethanol: 4 mg/mL (10.74 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: 2.5 mg/mL (6.71 mM), Sonication is recommended. <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

	1mg	5mg	10mg
1 mM	2.6849 mL	13.4246 mL	26.8492 mL
5 mM	0.537 mL	2.6849 mL	5.3698 mL
10 mM	0.2685 mL	1.3425 mL	2.6849 mL
50 mM	0.0537 mL	0.2685 mL	0.537 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.

Reference

Ma X, He J, Yan J, Wang Q, Li H. Chem Biol Interact. 2016 Mar 25;248:52-9.
Rubinsztein DC, Bento CF, Deretic V. J Exp Med. 2015 Jun 29;212(7):979-90.

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