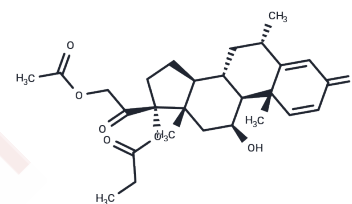


Methylprednisolone Aceponate

Chemical Properties

CAS No. :	86401-95-8
Formula:	C ₂₇ H ₃₆ O ₇
Molecular Weight:	472.57
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	Methylprednisolone Aceponate (SH 440), a non-halogenated corticosteroid, is a potent anti-inflammatory agent.
Targets(IC50)	Glucocorticoid Receptor,Others

Solubility Information

Solubility	DMSO: 245 mg/mL (518.44 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: 2 mg/mL (4.23 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	2.1161 mL	10.5804 mL	21.1609 mL
5 mM	0.4232 mL	2.1161 mL	4.2322 mL
10 mM	0.2116 mL	1.058 mL	2.1161 mL
50 mM	0.0423 mL	0.2116 mL	0.4232 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

Fölster-Holst R, Abeck D, Torrelo A. Topical hydrocortisone 17-butyrate 21-propionate in the treatment of inflammatory skin diseases: pharmacological data, clinical efficacy, safety and calculation of the therapeutic index. *Pharmazie*. 2016 Mar;71(3):115-21. Review.

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