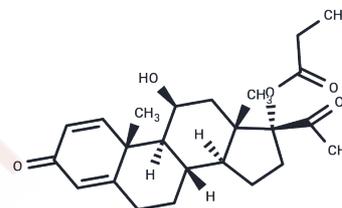


Deprodone propionate

Chemical Properties

CAS No. :	20424-00-4
Formula:	C ₂₄ H ₃₂ O ₅
Molecular Weight:	400.51
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Deprodone propionate, a corticosteroid, is synthesized by esterification with propionic acid at the 17-position and deoxidation at the 21-position of the prednisolone skeleton.
Targets(IC50)	Others
In vitro	Deprodone propionate demonstrates maximal and sustained efficacy, avoids skin irritation, and maintains physicochemical stability. Its formulation allows for stable suspension due to the thickening properties of the suspending agent.

Solubility Information

Solubility	DMSO: 250 mg/mL (624.20 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4968 mL	12.4841 mL	24.9682 mL
5 mM	0.4994 mL	2.4968 mL	4.9936 mL
10 mM	0.2497 mL	1.2484 mL	2.4968 mL
50 mM	0.0499 mL	0.2497 mL	0.4994 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.

Reference

Takashi Narui, et al. Water and deprodone propionate -containing external preparations. EP 0473810 B1.

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