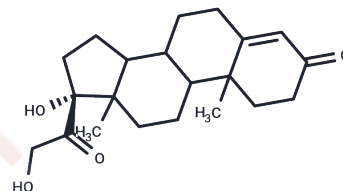


Cortodoxone

Chemical Properties

CAS No. :	152-58-9
Formula:	C ₂₁ H ₃₀ O ₄
Molecular Weight:	346.46
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	Cortodoxone (11-Desoxycortisol) is a glucocorticoid steroid hormone that is an intermediate in the biosynthesis of cortisol in the adrenal gland.
Targets(IC50)	Glucocorticoid Receptor, Endogenous Metabolite

Solubility Information

Solubility	DMSO: 83.33 mg/mL (240.52 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: 8.33 mg/mL (24.04 mM), Suspension. 10% DMSO+90% Saline: < 8.33 mg/mL (24.04 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

	1mg	5mg	10mg
1 mM	2.8863 mL	14.4317 mL	28.8634 mL
5 mM	0.5773 mL	2.8863 mL	5.7727 mL
10 mM	0.2886 mL	1.4432 mL	2.8863 mL
50 mM	0.0577 mL	0.2886 mL	0.5773 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

Trifu V, et al. Br J Dermatol. 2011 Jul;165(1):177-83.

Dardis A, et al. Dexamethasone does not exert direct intracellular feedback on steroidogenesis in human adrenal NCI-H295A cells. J Endocrinol. 2003 Oct;179(1):131-42.

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