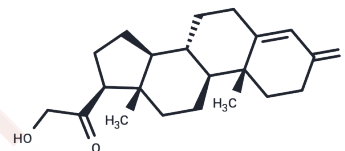


Deoxycorticosterone

Chemical Properties

CAS No. :	64-85-7
Formula:	C ₂₁ H ₃₀ O ₃
Molecular Weight:	330.46
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	Deoxycorticosterone (Desoxycortone) is a steroid metabolite produced by the adrenal gland. Deoxycorticosterone is an aldosterone precursor and possesses mineralocorticoid activity.
Targets(IC50)	Glucocorticoid Receptor, Endogenous Metabolite

Solubility Information

Solubility	DMSO: 95 mg/mL (287.48 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: 3.3 mg/mL (9.99 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	3.0261 mL	15.1304 mL	30.2608 mL
5 mM	0.6052 mL	3.0261 mL	6.0522 mL
10 mM	0.3026 mL	1.513 mL	3.0261 mL
50 mM	0.0605 mL	0.3026 mL	0.6052 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

Woolcock AD, Ward C. Successful treatment of a cat with primary hypoadrenocorticism and severe hyponatremia with desoxycorticosterone pivalate (DOCP). *Can Vet J.* 2015 Nov;56(11):1158-60.

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Whoriskey ST, Bartlett SL, Baitchman E. HYPOALDOSTERONISM IN A MATSCHIE'S TREE KANGAROO (*DENDROLAGUS MATSCHIEI*). *J Zoo Wildl Med.* 2016 Jun;47(2):628-31.

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