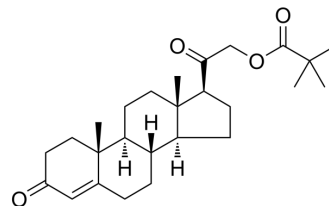


Desoxycorticosterone pivalate

Cat. No.:	HY-107917		
CAS No.:	808-48-0		
Molecular Formula:	C ₂₆ H ₃₈ O ₄		
Molecular Weight:	414.58		
Target:	Mineralocorticoid Receptor		
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (12.06 mM; ultrasonic and warming and heat to 80°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4121 mL	12.0604 mL	24.1208 mL
	5 mM	0.4824 mL	2.4121 mL	4.8242 mL
	10 mM	0.2412 mL	1.2060 mL	2.4121 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Desoxycorticosterone pivalate (DOCP) is a mineralocorticoid hormone and an analog of Desoxycorticosterone. Desoxycorticosterone pivalate is used for the management of canine hypoadrenocorticism^{[1][2]}.

In Vivo

A starting dosage of 1.5 mg/kg Desoxycorticosterone pivalate (DOCP) is effective in controlling clinical signs and serum electrolyte concentrations in the majority of dogs with PH. An additional dose reduction often is needed to maintain an injection interval of 28-30 days. Young and growing animals seem to need higher dosages^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Sieber-Ruckstuhl NS, et al. Evaluation of a low-dose desoxycorticosterone pivalate treatment protocol for long-term management of dogs with primary hypoadrenocorticism. J Vet Intern Med. 2019 May;33(3):1266-1271.

Caution: Product has not been fully validated for medical applications. For research use only.

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