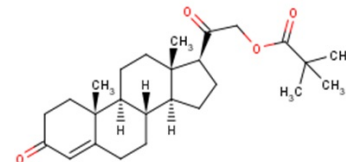


## Desoxycorticosterone pivalate

## Chemical Properties

CAS No.:	808-48-0
Formula:	C <sub>26</sub> H <sub>38</sub> O <sub>4</sub>
Molecular Weight:	414.58
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Desoxycorticosterone (DOCP) is a mineralocorticoid and is an analog of deoxycorticosterone. Desoxycorticosterone pivalate is used in the treatment of canine low adrenal cortex hormones.
Targets(IC <sub>50</sub> )	Others: None
In vitro	The initial dose of 1.5 mg/kg desoxycorticosterone pivalate (DOCP) can effectively control the clinical signs and serum electrolyte concentration of most dogs with PH. An additional dose reduction is usually required to maintain an injection interval of 28-30 days. Young and growing animals seem to require higher doses.
In vivo	The initial dose of 1.5 mg/kg desoxycorticosterone pivalate (DOCP) can effectively control the clinical signs and serum electrolyte concentration of most dogs with PH. An additional dose reduction is usually required to maintain an injection interval of 28-30 days. Young and growing animals seem to require higher doses.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.412 mL	12.06 mL	24.121 mL
5 mM	0.482 mL	2.412 mL	4.824 mL
10 mM	0.241 mL	1.206 mL	2.412 mL
50 mM	0.048 mL	0.241 mL	0.482 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

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.
2. Masticatory Muscle Myositis: Pathogenesis, Diagnosis, and Treatment.

Inhibitors · Natural Compounds · Compound Libraries

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