

Product Data Sheet

Product Name: Desoxycorticosterone pivalate

Cat. No.: GC38904

Chemical Properties

Cas. No. 808-48-0

SMILES C[C@@]12[C@](CC[C@@H]2C(COC(C(C)(C)C)=O)=O)([H])[C@@]3([H])[C@]([C@@]4(C(CC3)=CC(CC4)=O)C)([H])CC1

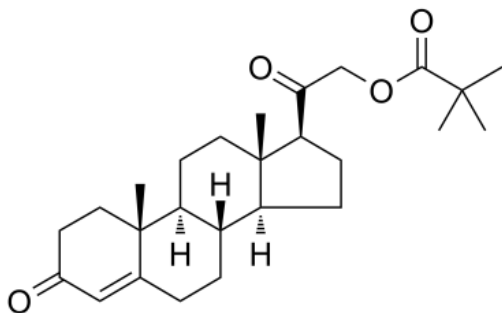
Formula $C_{26}H_{38}O_4$ M.Wt 414.58

Solubility DMSO : 5 mg/mL (12.06 mM; ultrasonic and warming and heat to 80°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

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

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

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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].

[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.

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