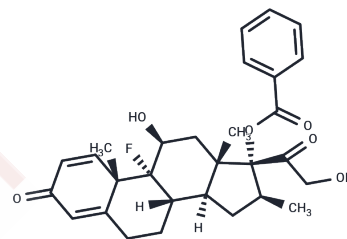


Betamethasone 17-benzoate

Chemical Properties

CAS No. : 22298-29-9
 Formula: C₂₉H₃₃FO₆
 Molecular Weight: 496.57
 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	Betamethasone 17-benzoate, a representative steroid, is used in the treatment of recurrent aphthous ulcers (RAU).
Targets(IC50)	Glucocorticoid Receptor,Others,Kinesin
In vitro	Betamethasone 17-benzoate, a topical steroid and local corticosteroid, is effective in reducing symptoms and shortening healing time, although it does not prevent recurrences [1][2][3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0138 mL	10.0691 mL	20.1381 mL
5 mM	0.4028 mL	2.0138 mL	4.0276 mL
10 mM	0.2014 mL	1.0069 mL	2.0138 mL
50 mM	0.0403 mL	0.2014 mL	0.4028 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

- Barry BW, et al. Optimization of bioavailability of topical steroids: penetration enhancers under occlusion. J Invest Dermatol. 1984 Jan;82(1):49-52.
- ZFA (Stuttgart). 1978 Jul 10;54(19):1031-2.
- Merchant HW, et al. Betamethasone-17-benzoate in the treatment of recurrent aphthous ulcers. Oral Surg Oral Med Oral Pathol. 1978 Jun;45(6):870-5.

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