Data Sheet (Cat.No.T0270)

TargetMol

Hydrocortisone 17-butyrate

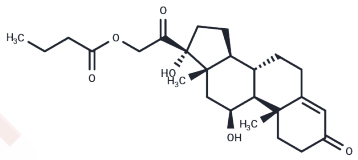
Chemical Properties

CAS No. : 13609-67-1

Formula: C25H36O6

Molecular Weight: 432.55

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	Hydrocortisone 17-butyrate (Cortisol 17-butyrate) is a synthetic glucocorticoid receptor agonist with antiinflammatory, antipruritic and vasoconstrictive effects.
Targets(IC50)	Glucocorticoid Receptor,Annexin A,Adrenergic Receptor

Solubility Information

Solubility	DMSO: 125 mg/mL (288.98 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: 4 mg/mL (9.25 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3119 mL	11.5594 mL	23.1187 mL
5 mM	0.4624 mL	2.3119 mL	4.6237 mL
10 mM	0.2312 mL	1.1559 mL	2.3119 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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

Grossman R, et al. Ann N Y Acad Sci. 2006 Jul;1071:410-21.

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