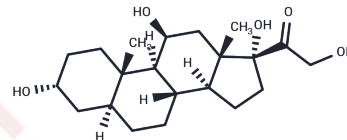


Allotetrahydrocortisol

Chemical Properties

CAS No. :	302-91-0
Formula:	C ₂₁ H ₃₄ O ₅
Molecular Weight:	366.49
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	Allotetrahydrocortisol (5 α -Tetrahydrocortisol) is a primary metabolite of cortisol, the main glucocorticoid in humans.
Targets(IC50)	Others,Endogenous Metabolite
In vitro	Allotetrahydrocortisol is a natural C21 steroid of animal origin and has the axial configuration of its 3-hydroxyl group [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7286 mL	13.6429 mL	27.2859 mL
5 mM	0.5457 mL	2.7286 mL	5.4572 mL
10 mM	0.2729 mL	1.3643 mL	2.7286 mL
50 mM	0.0546 mL	0.2729 mL	0.5457 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

- BUSH IE, et al. The excretion of allo tetrahydrocortisol in human urine. *Biochem J.* 1957 Dec;67(4):689-700.
 Kosicka K, et al. Detailed analysis of cortisol, cortisone and their tetrahydro- and allo-tetrahydrometabolites in human urine by LC-MS/MS. *J Pharm Biomed Anal.* 2017 Jun 5;140:174-181.

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