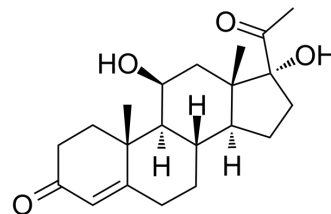


21-Deoxycortisol

Cat. No.:	HY-113405
CAS No.:	641-77-0
Molecular Formula:	C ₂₁ H ₃₀ O ₄
Molecular Weight:	346
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (289.02 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.8902 mL	14.4509 mL	28.9017 mL
		5 mM	0.5780 mL	2.8902 mL	5.7803 mL
		10 mM	0.2890 mL	1.4451 mL	2.8902 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.23 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.23 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.23 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	21-Deoxycortisol is an endogenous metabolite. 21-Deoxycortisol is a sign of congenital adrenal hyperplasia ^[1] .
IC ₅₀ & Target	Human Endogenous Metabolite

REFERENCES

[1]. Franks RC. Plasma 17-hydroxyprogesterone, 21-deoxycortisol and cortisol in congenital adrenal hyperplasia. J Clin Endocrinol Metab. 1974;39(6):1099-1102.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA