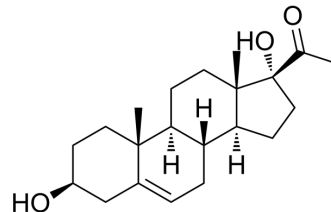


17a-Hydroxypregnenolone

Cat. No.:	HY-113263	
CAS No.:	387-79-1	
Molecular Formula:	C ₂₁ H ₃₂ O ₃	
Molecular Weight:	332.48	
Target:	Endogenous Metabolite	
Pathway:	Metabolic Enzyme/Protease	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 8.33 mg/mL (25.05 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.0077 mL	15.0385 mL	30.0770 mL
	5 mM	0.6015 mL	3.0077 mL	6.0154 mL
	10 mM	0.3008 mL	1.5038 mL	3.0077 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: 0.83 mg/mL (2.50 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 0.83 mg/mL (2.50 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 0.83 mg/mL (2.50 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

17a-Hydroxypregnenolone is a pregnane steroid. 17a-Hydroxypregnenolone is a prohormone in the formation of dehydroepiandrosterone (DHEA).

IC₅₀ & Target

Human Endogenous Metabolite

CUSTOMER VALIDATION

-
- Curr Res Toxicol. 2023 Aug 14, 5, 100119.

See more customer validations on www.MedChemExpress.com

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