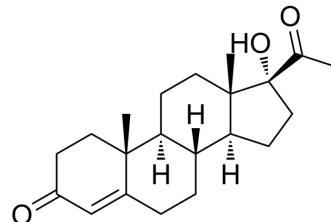


17 α -Hydroxyprogesterone

Cat. No.:	HY-B0891
CAS No.:	68-96-2
Molecular Formula:	C ₂₁ H ₃₀ O ₃
Molecular Weight:	330.46
Target:	Progesterone Receptor; Endogenous Metabolite
Pathway:	Vitamin D Related/Nuclear Receptor; Metabolic Enzyme/Protease
Storage:	4°C, protect from light * In solvent : -80°C, 2 years; -20°C, 1 year (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (151.30 mM; Need ultrasonic)					
	H ₂ O : < 0.1 mg/mL (insoluble)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.0261 mL	15.1304 mL	30.2609 mL
5 mM			0.6052 mL	3.0261 mL	6.0522 mL	
10 mM		0.3026 mL	1.5130 mL	3.0261 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline) Solubility: \geq 2.5 mg/mL (7.57 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: \geq 2.5 mg/mL (7.57 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	17 α -Hydroxyprogesterone (17-Hydroxyprogesterone) is an endogenous progesterone that serves as a chemical intermediate in the biosynthesis of other steroid hormones, including glucocorticoids, androgens, and estrogens.
IC₅₀ & Target	Human Endogenous Metabolite

CUSTOMER VALIDATION

- Nat Chem Biol. 2022 Aug 18.

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- Mol Cell Endocrinol. 2023 Apr 8;111929.

See more customer validations on www.MedChemExpress.com

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

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