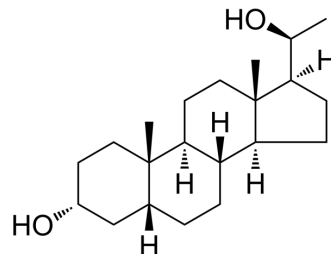


Pregnanediol

Cat. No.:	HY-107850		
CAS No.:	80-92-2		
Molecular Formula:	C ₂₁ H ₃₆ O ₂		
Molecular Weight:	320.51		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

Ethanol : 4.17 mg/mL (13.01 mM; Need ultrasonic)
 DMSO : 2 mg/mL (6.24 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.1200 mL	15.6001 mL	31.2003 mL
	5 mM	0.6240 mL	3.1200 mL	6.2401 mL
	10 mM	0.3120 mL	1.5600 mL	3.1200 mL

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

In Vivo

- Add each solvent one by one: 10% EtOH >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 0.5 mg/mL (1.56 mM); Clear solution
- Add each solvent one by one: 10% EtOH >> 90% corn oil
 Solubility: ≥ 0.5 mg/mL (1.56 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Pregnanediol is the major metabolite of progesterone and can be excreted via urine. Pregnanediol offers an indirect way to measure progesterone levels in vivo^[1].

IC₅₀ & Target

Human Endogenous Metabolite

REFERENCES

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

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