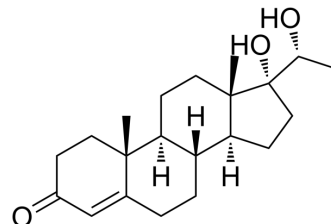


## 17 $\alpha$ ,20 $\beta$ -Dihydroxy-4-pregnen-3-one

Cat. No.:	HY-W587733
CAS No.:	1662-06-2
Molecular Formula:	C <sub>21</sub> H <sub>32</sub> O <sub>3</sub>
Molecular Weight:	332.48
Target:	Others
Pathway:	Others
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (300.77 mM; Need ultrasonic)				
		Solvent Concentration	Mass 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	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.52 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- $\beta$ -CD in saline) Solubility: ≥ 2.5 mg/mL (7.52 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.52 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	17 $\alpha$ ,20 $\beta$ -Dihydroxy-4-pregnen-3-one (17,20 $\beta$ -P) is a maturation-inducing steroid <sup>[1]</sup> .
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### REFERENCES

[1]. J V Planas, et al. Maturation-associated changes in the response of the salmon testis to the steroidogenic actions of gonadotropins (GTH I and GTH II) in vitro. Biol Reprod. 1995 Mar;52(3):697-704.

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

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