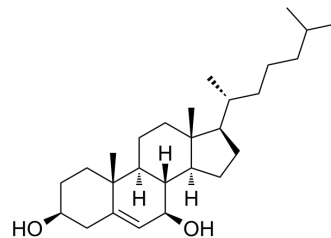


7 β -Hydroxycholesterol

Cat. No.:	HY-113341
CAS No.:	566-27-8
Molecular Formula:	C ₂₇ H ₄₆ O ₂
Molecular Weight:	402.65
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 (248.35 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.4835 mL	12.4177 mL	24.8355 mL
				5 mM	0.4967 mL	2.4835 mL	4.9671 mL
				10 mM	0.2484 mL	1.2418 mL	2.4835 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 (6.21 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE- β -CD in saline) Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.21 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	7 β -Hydroxycholesterol is an oxysterol that derived by the oxidation of cholesterol. 7 β -hydroxycholesterol is a powerful inducer of oxidative stress, inducing dysfunction of organelles (mitochondria, lysosomes and peroxisomes) that can cause cell death ^[1] .
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REFERENCES

[1]. Anne Vejux, et al. 7-Ketocholesterol and 7 β -hydroxycholesterol: In vitro and animal models used to characterize their activities and to identify molecules preventing

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

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