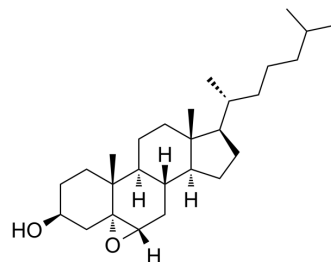


## Cholesterol 5 $\alpha$ ,6 $\alpha$ -epoxide

Cat. No.:	HY-133971
CAS No.:	1250-95-9
Molecular Formula:	C <sub>27</sub> H <sub>46</sub> O <sub>2</sub>
Molecular Weight:	402.65
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 2.5 mg/mL (6.21 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.4835 mL	12.4177 mL	24.8355 mL
	5 mM		0.4967 mL	2.4835 mL	4.9671 mL
	10 mM		---	---	---

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

### BIOLOGICAL ACTIVITY

#### Description

Cholesterol-5 $\alpha$ ,6 $\alpha$ -epoxide is an epoxide derivative of cholesterol formed by the enzymatic oxidation of cholesterol in the liver and other tissues. Cholesterol-5 $\alpha$ ,6 $\alpha$ -epoxide has unique chemical properties that make it an important intermediate in the biosynthesis of bile acids, which play a key role in the digestion and absorption of dietary fats. It also has a potential physiological role in regulating cholesterol metabolism and transport, although its biological function is not fully understood.

#### In Vitro

Cholesterol-5 $\alpha$ ,6 $\alpha$ -epoxide is a biochemical reagent that can be used as a biological material or organic compound for life science related research.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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