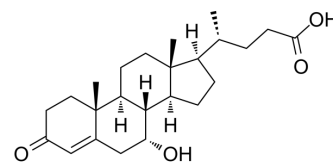


3-Oxo-7-hydroxychol-4-enoic acid

Cat. No.:	HY-N9945
CAS No.:	14772-95-3
Molecular Formula:	C ₂₄ H ₃₆ O ₄
Molecular Weight:	388.54
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (257.37 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.5737 mL	12.8687 mL	25.7374 mL
	5 mM		0.5147 mL	2.5737 mL	5.1475 mL
	10 mM		0.2574 mL	1.2869 mL	2.5737 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
 Solubility: ≥ 2.5 mg/mL (6.43 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (6.43 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

3-Oxo-7-hydroxychol-4-enoic acid is an endogenous metabolite. 3-Oxo-7-hydroxychol-4-enoic acid may be an important indicator of a poor prognosis in hepatobiliary disease^[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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