

Product Datasheet

Cholic Acid (orb1304796)

Catalog Number	orb1304796
Category	Small Molecules
Description	Cholic acid is a primary bile acid synthesized in the liver and often found conjugated to glycine or taurine. It is a critical agent for lipid solubilization and cholesterol elimination, widely used in research on digestion, metabolic disorders, and hepatobiliary function in both in vitro and in vivo models.
Target	Endogenous Metabolite
Purity	99.92% (May vary between batches)
MW	408.57
Target Areas	Endogenous Metabolite
Solubility (25°C)	DMSO:175 mg/mL (428.32 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (4.9 mM)
CAS Number	81-25-4
Formula	C ₂₄ H ₄₀ O ₅
SMILES	<chem>O[C@H]1[C@]2([C@]3([C@@](C)([C@@]([C@@H](CCC(O)=O)C)(CC3)[H]))[C@@H](O)C[C@@]2([C@]4(C)[C@](C1)(C[C@H](O)CC4)[H])[H])[H]</chem>
Storage	Powder: -20°C for 3 years In solvent: -80°C for 1 year Shipping with blue ice/Shipping at ambient temperature.
Note	For research use only
Expiration Date	12 months from date of receipt.

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