

Lithocholic acid 3-sulfate disodium

Chemical Properties

CAS No. : 64936-81-8

Formula: C₂₄H₃₈Na₂O₆S

Molecular Weight: 500.60

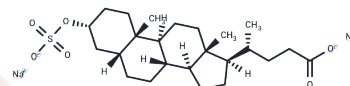
Storage:

Keep away from moisture, Store at low temperature,

Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Lithocholic acid 3-sulfate disodium (Sulfolithocholic acid disodium) acts as a RORγ ligand and inhibits Th17 cell differentiation. Lithocholic acid 3-sulfate disodium is a sulfated product of lithocholic acid (LCA) and induces a decrease in arterial blood pressure. Lithocholic acid 3-sulfate disodium is a sulfated product of lithocholic acid (LCA) that induces cellular damage.
Targets(IC50)	Others, GHSR

Solubility Information

Solubility	DMSO: 20.00 mg/mL (39.95 mM), Sonication is recommended. Methanol: 0.10 mg/mL (0.20 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9976 mL	9.988 mL	19.976 mL
5 mM	0.3995 mL	1.9976 mL	3.9952 mL
10 mM	0.1998 mL	0.9988 mL	1.9976 mL
50 mM	0.040 mL	0.1998 mL	0.3995 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Pieter Ooms, et al. Double metal cyanide catalysts for preparing polyether polyols:US20020198099A1.

Oelberg, D.G., Dubinsky, W.P., Adcock, E.W., et al. Calcium binding by lithocholic acid derivatives. Am. J. Physiol. 247(1 Pt 1), G112-G115 (1984).

Kirkpatrick, R.B., and Kraft, B.G. Effect of streptozotocin-induced diabetes on bile acid sulfation in male rat liver. Am. J. Physiol. 247(3 Pt 1), G226-G230 (1984).

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