

SH-42

Chemical Properties

CAS No. : 2143952-36-5

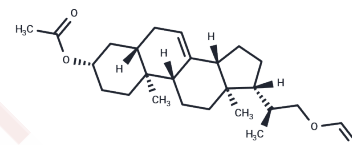
Formula: C₂₅H₃₈O₄

Molecular Weight: 402.57

Store at low temperature

Storage: 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	SH-42 is a human Δ 24-dehydrocholesterol reductase (DHCR24) inhibitor (IC ₅₀ : 42 nM) that is selective and highly potent in inducing an increase in plasma desmethylferricininol levels.
Targets(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 1 mg/mL (2.48 mM), Sonication is recommended. Chloroform: 10 mg/mL (24.84 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	2.484 mL	12.4202 mL	24.8404 mL
5 mM	0.4968 mL	2.484 mL	4.9681 mL
10 mM	0.2484 mL	1.242 mL	2.484 mL
50 mM	0.0497 mL	0.2484 mL	0.4968 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

- Müller C, et al. New chemotype of selective and potent inhibitors of human delta 24-dehydrocholesterol reductase. Eur J Med Chem. 2017 Nov 10;140:305-320.
- Müller C, et al. New chemotype of selective and potent inhibitors of human delta 24-dehydrocholesterol reductase. Eur J Med Chem. 2017 Nov 10;140:305-320.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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