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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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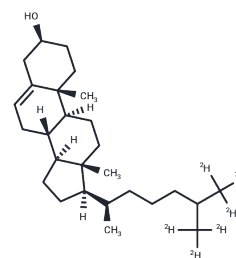
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Cholesterol-d6

Chemical Properties

CAS No. :	60816-17-3
Formula:	C ₂₇ H ₄₀ D ₆ O
Molecular Weight:	392.69
Appearance:	no data available
Storage:	store at low temperature store at -20°C



Biological Description

Description	Cholesterol-d6 is a deuterated cholesterol that can be used to study lipid membrane flow and cholesterol metabolism in vivo.
Targets(IC50)	Others
In vitro	In some cases, deuterated compounds may have advantages over nondeuterated forms, often by altering interstitial properties. Deuteration may also redirect metabolic pathways in a direction that reduces toxicity.[1]

Solubility Information

Solubility	Ethanol: 15 mg/mL (38.20 mM),Sonication is recommended. DMSO: 1 mg/mL (2.55 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5465 mL	12.7327 mL	25.4654 mL
5 mM	0.5093 mL	2.5465 mL	5.0931 mL
10 mM	0.2547 mL	1.2733 mL	2.5465 mL
50 mM	0.0509 mL	0.2547 mL	0.5093 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.

Reference

Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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