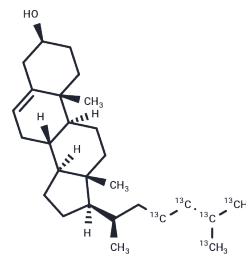


Cholesterol-13C5

Chemical Properties

CAS No. :	150044-24-9
Formula:	C ₂₇ H ₄₆ O
Molecular Weight:	391.62
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	Cholesterol-13C5 is a form of cholesterol labeled with carbon-13 isotopes. Cholesterol (T0760) is the predominant sterol in mammals, constituting 20-25% of the plasma membrane structure. While the plasma membrane is highly permeable to water, it is relatively impermeable to ions and protons. Cholesterol (T0760) is crucial in determining membrane fluidity and permeability features, as well as the function of transport and signaling proteins. Additionally, cholesterol acts as an endogenous agonist of estrogen-related receptor α (ERR α).
Targets(IC50)	Estrogen Receptor/ERR,Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5535 mL	12.7675 mL	25.535 mL
5 mM	0.5107 mL	2.5535 mL	5.107 mL
10 mM	0.2553 mL	1.2767 mL	2.5535 mL
50 mM	0.0511 mL	0.2553 mL	0.5107 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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