

Chol-N3

Chemical Properties

CAS No. : 2106868-12-4

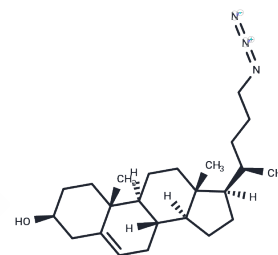
Formula: C₂₄H₃₉N₃O

Molecular Weight: 385.59

Keep away from direct sunlight

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	Chol-N3 is a bioorthogonal chol probe capable of integrating with super-resolution fluorescence microscopy (SRM) to enable direct nanoscale imaging of lipid heterogeneity on resting living cell surfaces [1]. As a click chemistry reagent with an azide group, Chol-N3 undergoes copper-catalyzed azide-alkyne cycloaddition (CuAAC) with alkyne-bearing molecules and can also participate in strain-promoted alkyne-azide cycloaddition (SPAAC) with DBCO or BCN group-containing molecules.
Targets(IC50)	Others
In vitro	Chol-N3 (25 μM; 16 hours; live SH-SY5Y cells) clearly reveals nanoscale structural domains in the plasma membrane (PM) within live cells [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5934 mL	12.9671 mL	25.9343 mL
5 mM	0.5187 mL	2.5934 mL	5.1869 mL
10 mM	0.2593 mL	1.2967 mL	2.5934 mL
50 mM	0.0519 mL	0.2593 mL	0.5187 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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