

N3-CMC

Chemical Properties

CAS No. :	1801187-61-0
Formula:	C ₂₁ H ₃₂ N ₆ O ₄ S
Molecular Weight:	464.59
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	N3-CMC is a click chemistry reagent. This compound contains an azide group, enabling it to undergo a strain-promoted alkyne-azide cycloaddition reaction (SPAAC) with molecules carrying DBCO or BCN groups. Additionally, N3-CMC can participate in a copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with alkyne-containing molecules. It also reacts specifically with RNA containing pseudouridine (Ψ), allowing biotin to be conjugated via click chemistry to the N3-CMC-Ψ RNA, facilitating the quantitative analysis of Ψ's dynamic changes.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1524 mL	10.7622 mL	21.5244 mL
5 mM	0.4305 mL	2.1524 mL	4.3049 mL
10 mM	0.2152 mL	1.0762 mL	2.1524 mL
50 mM	0.043 mL	0.2152 mL	0.4305 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.

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