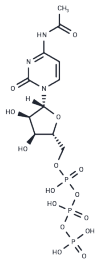
Data Sheet (Cat.No.T19463)

TargetMol

N4-Acetylcytidine triphosphate

Chemical Properties



CAS No. : 1428903-57-4

Formula: C11H18N3O15P3

Molecular Weight: 525.19

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	N4-Acetylcytidine triphosphate is an efficient substrate for T7 Polymerase-catalyzed in vitro transcription.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	H2O: 250 mg/mL (476.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9041 mL	9.5204 mL	19.0407 mL
5 mM	0.3808 mL	1.9041 mL	3.8081 mL
10 mM	0.1904 mL	0.952 mL	1.9041 mL
50 mM	0.0381 mL	0.1904 mL	0.3808 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

Duan J, et al. N4-acetylcytidine is required for sustained NLRP3 inflammasome activation via HMGB1 pathway in microglia. Cell Signal. 2019 Mar 7;58:44-52.

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