

Tricyclic cytosine tC

Chemical Properties

CAS No. : 1174063-74-1

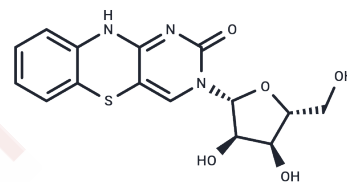
Formula: C₁₅H₁₅N₃O₅S

Molecular Weight: 349.36

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	Tricyclic cytosine (tC) is a fluorescent analog of cytosine designed for RNA imaging within live cells, facilitating the study of RNA synthesis, degradation, and trafficking with single-cell precision through confocal imaging. This compound features excitation/emission maxima (λ) of 375/505 nm, an extinction coefficient of 4000 M ⁻¹ cm ⁻¹ , and a quantum yield of 0.2.
Targets(IC50)	Others, Autophagy

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8624 mL	14.3119 mL	28.6238 mL
5 mM	0.5725 mL	2.8624 mL	5.7248 mL
10 mM	0.2862 mL	1.4312 mL	2.8624 mL
50 mM	0.0572 mL	0.2862 mL	0.5725 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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