

5'-O-DMT-2'-O-TBDMS-Ac-rC

Chemical Properties

CAS No. :	121058-85-3
Formula:	C ₃₈ H ₄₇ N ₃ O ₈ Si
Molecular Weight:	701.881
Storage:	Keep away from direct sunlight, Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	5'-O-DMT-2'-O-TBDMS-Ac-rC is a modified nucleoside that can be utilized in the synthesis of DNA or RNA. 5'-O-DMT-2'-O-TBDMS-Ac-rC is applicable to oligonucleotide chemistry, nucleic acid engineering, RNA modification studies, and synthetic biology-related research workflows.
Targets(IC50)	Nucleoside Antimetabolite/Analog

Solubility Information

Solubility	DMSO: 80.00 mg/mL (113.98 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 3.30 mg/mL (4.70 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4247 mL	7.1237 mL	14.2474 mL
5 mM	0.2849 mL	1.4247 mL	2.8495 mL
10 mM	0.1425 mL	0.7124 mL	1.4247 mL
50 mM	0.0285 mL	0.1425 mL	0.2849 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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