

5'-O-DMT-N4-Bz-5-Me-dC

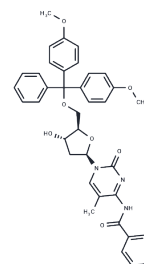
Chemical Properties

CAS No. : 104579-03-5

Formula: C₃₈H₃₇N₃O₇

Molecular Weight: 647.72

Storage: Store at low temperature, Keep away from direct sunlight, Keep away from moisture
 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	5'-O-DMT-N4-Bz-5-Me-dC (DMT-NBZ-5-METHYL DC) is a modified nucleoside used in the synthesis of nucleoside phosphoramidites.
Targets(IC50)	Nucleoside Antimetabolite/Analog, DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 30 mg/mL (46.32 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (3.09 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	1.5439 mL	7.7194 mL	15.4388 mL
5 mM	0.3088 mL	1.5439 mL	3.0878 mL
10 mM	0.1544 mL	0.7719 mL	1.5439 mL
50 mM	0.0309 mL	0.1544 mL	0.3088 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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