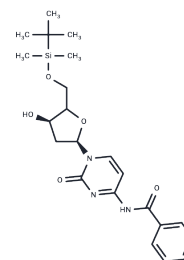


5-O-TBDMS-N4-Benzoyl-2-deoxycytidine

Chemical Properties

CAS No. :	51549-36-1
Formula:	C ₂₂ H ₃₁ N ₃ O ₅ Si
Molecular Weight:	445.58
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	5-O-TBDMS-N4-Benzoyl-2-deoxycytidine is a modified nucleoside used in the synthesis of deoxyribonucleic acid (DNA) or nucleic acid.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others,DNA/RNA Synthesis

Solubility Information

Solubility	DMSO: 250 mg/mL (561.07 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: 3.3 mg/mL (7.41 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	2.2443 mL	11.2213 mL	22.4427 mL
5 mM	0.4489 mL	2.2443 mL	4.4885 mL
10 mM	0.2244 mL	1.1221 mL	2.2443 mL
50 mM	0.0449 mL	0.2244 mL	0.4489 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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