

## 5'-O-TBDMS-dT

## Chemical Properties

CAS No. :	40733-28-6
Formula:	C <sub>16</sub> H <sub>28</sub> N <sub>2</sub> O <sub>5</sub> Si
Molecular Weight:	356.489
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-dT is a nucleoside characterized by its protective and modification effects.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others,DNA/RNA Synthesis

## Solubility Information

Solubility	DMSO: 100.00 mg/mL (280.51 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: 3.30 mg/mL (9.26 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	2.8051 mL	14.0256 mL	28.0513 mL
5 mM	0.561 mL	2.8051 mL	5.6103 mL
10 mM	0.2805 mL	1.4026 mL	2.8051 mL
50 mM	0.0561 mL	0.2805 mL	0.561 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.

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