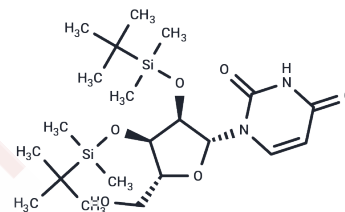


## 2',3'-Bis-(O-t-butyldimethylsilyl)uridine

## Chemical Properties

CAS No. :	69504-12-7
Formula:	C <sub>21</sub> H <sub>40</sub> N <sub>2</sub> O <sub>6</sub> Si <sub>2</sub>
Molecular Weight:	472.72
Storage:	Keep away from moisture 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	2',3'-Bis-(O-t-butyldimethylsilyl)uridine is a nucleoside derivative with the ability to protect the NH <sub>2</sub> /OH groups of nucleosides. It has important applications in the synthesis of nucleoside analogs and antiviral drugs (e.g. AZT and acyclovir). The inhibitory effect on viral replication makes it useful in the fight against diseases such as AIDS and herpes.
Targets(IC50)	Nucleoside Antimetabolite/Analog

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1154 mL	10.5771 mL	21.1542 mL
5 mM	0.4231 mL	2.1154 mL	4.2308 mL
10 mM	0.2115 mL	1.0577 mL	2.1154 mL
50 mM	0.0423 mL	0.2115 mL	0.4231 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.

## Reference

Robak T, Robak P. Purine nucleoside analogs in the treatment of rarer chronic lymphoid leukemias. *Curr Pharm Des.* 2012;18(23):3373-88.

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