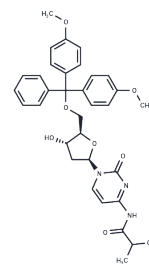


## 5'-O-DMT-ibu-dC

## Chemical Properties

CAS No. :	100898-62-2
Formula:	C34H37N3O7
Molecular Weight:	599.67
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-DMT-ibu-dC [5'-O-(4,4'-Dimethoxytrityl)-N4-isobutyryl-2'-deoxycytidine] can be utilized in the synthesis of oligodeoxyribonucleotides.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Others,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6676 mL	8.3379 mL	16.6758 mL
5 mM	0.3335 mL	1.6676 mL	3.3352 mL
10 mM	0.1668 mL	0.8338 mL	1.6676 mL
50 mM	0.0334 mL	0.1668 mL	0.3335 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

Amberg S, et, al. Phenylalkyl backbone modified oligodeoxynucleotides, their synthesis and the influence of the alkyl chain length. Nucleosides Nucleotides Nucleic Acids. Apr-Jul 2001;20(4-7):1275-8.

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