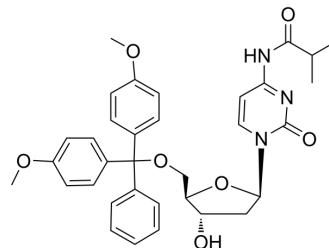


5'-O-DMT-ibu-dC

Cat. No.:	HY-138605
CAS No.:	100898-62-2
Molecular Formula:	C ₃₄ H ₃₇ N ₃ O ₇
Molecular Weight:	599.67
Target:	DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (166.76 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5'-O-DMT-ibu-dC can be used in the synthesis of oligodeoxyribonucleotides^[1].

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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