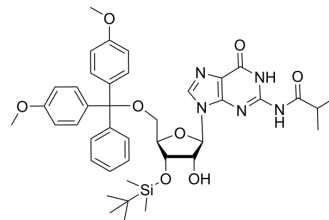


5'-DMT-3'-TBDMS-ibu-rG

Cat. No.:	HY-43060
CAS No.:	81256-89-5
Molecular Formula:	C ₄₁ H ₅₁ N ₅ O ₈ Si
Molecular Weight:	769.96
Target:	DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (129.88 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.2988 mL	6.4938 mL	12.9877 mL
5 mM	0.2598 mL	1.2988 mL	2.5975 mL
10 mM	0.1299 mL	0.6494 mL	1.2988 mL

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

BIOLOGICAL ACTIVITY

Description

5'-DMT-3'-TBDMS-ibu-rG is a modified nucleoside. 5'-DMT-3'-TBDMS-ibu-rG can be used in deoxyribonucleic acid synthesis.

REFERENCES

[1]. Ezequiel Wexselblatt, et al. ppGpp analogues inhibit synthetase activity of Rel proteins from Gram-negative and Gram-positive bacteria. *Bioorg Med Chem.* 2010 Jun 15;18(12):4485-97.

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

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