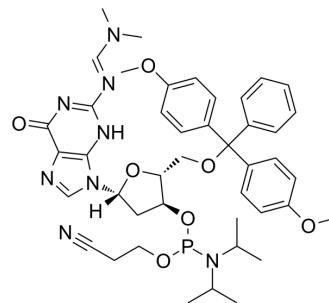


DMT-dG(dmf) Phosphoramidite

Cat. No.:	HY-138585
CAS No.:	330628-04-1
Molecular Formula:	C ₄₃ H ₅₃ N ₈ O ₇ P
Molecular Weight:	824.9
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 (121.23 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.2123 mL	6.0613 mL	12.1227 mL
				5 mM	0.2425 mL	1.2123 mL	2.4245 mL
				10 mM	0.1212 mL	0.6061 mL	1.2123 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.03 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.03 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	DMT-dG(dmf) Phosphoramidite is a phosphinamide monomer that can be used in the preparation of oligonucleotides
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Caution: Product has not been fully validated for medical applications. For research use only.

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