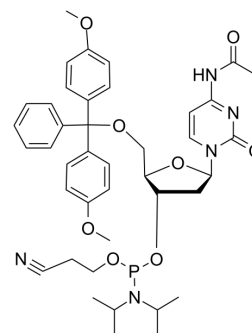


DMT-dC(ac) Phosphoramidite

Cat. No.:	HY-138586
CAS No.:	154110-40-4
Molecular Formula:	C ₄₁ H ₅₀ N ₅ O ₈ P
Molecular Weight:	771.84
Target:	DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (129.56 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.2956 mL	6.4780 mL	12.9561 mL
5 mM	0.2591 mL	1.2956 mL	2.5912 mL
10 mM	0.1296 mL	0.6478 mL	1.2956 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (3.24 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (3.24 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DMT-dC(ac) Phosphoramidite is a modified phosphoramidite monomer, which can be used for the oligonucleotide synthesis.

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

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