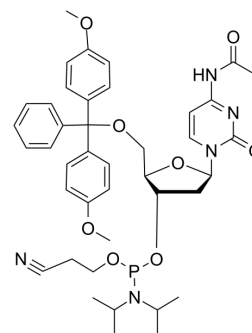


## DMT-dC(ac) Phosphoramidite

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



### SOLVENT & SOLUBILITY

#### In Vitro

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

Preparing Stock Solutions	Solvent 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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA