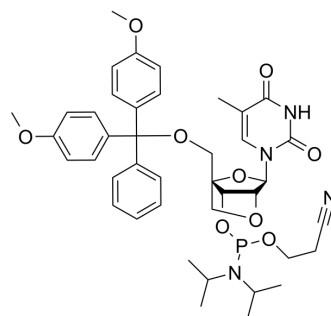


## DMTr-LNA-5MeU-3-CED-phosphoramidite

<b>Cat. No.:</b>	HY-111531
<b>CAS No.:</b>	206055-75-6
<b>Molecular Formula:</b>	C <sub>41</sub> H <sub>49</sub> N <sub>4</sub> O <sub>9</sub> P
<b>Molecular Weight:</b>	772.82
<b>Target:</b>	Nucleoside Antimetabolite/Analog; DNA/RNA Synthesis
<b>Pathway:</b>	Cell Cycle/DNA Damage
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 250 mg/mL (323.49 mM; Need ultrasonic)				
		<b>Solvent</b>	<b>Mass</b>		
	<b>Preparing Stock Solutions</b>	<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>1 mM</b>	1.2940 mL	6.4698 mL	12.9396 mL
		<b>5 mM</b>	0.2588 mL	1.2940 mL	2.5879 mL
<b>10 mM</b>		0.1294 mL	0.6470 mL	1.2940 mL	
Please refer to the solubility information to select the appropriate solvent.					
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (2.69 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (2.69 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	DMTr-LNA-5MeU-3-CED-phosphoramidite is a nucleoside derivative <sup>[1]</sup> .
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### REFERENCES

[1]. Kumar P, et al. Locked nucleic acid (LNA) enhances binding affinity of triazole-linked DNA towards RNA. Chem Commun (Camb). 2017 Aug 3;53(63):8910-8913.

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

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