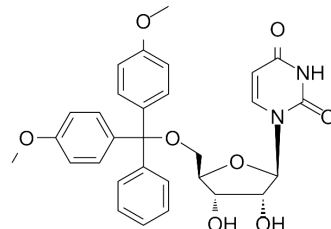


## 5'-O-DMT-rU

<b>Cat. No.:</b>	HY-138609
<b>CAS No.:</b>	81246-79-9
<b>Molecular Formula:</b>	C <sub>30</sub> H <sub>30</sub> N <sub>2</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	546.57
<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

#### In Vitro

DMSO : 250 mg/mL (457.40 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.8296 mL	9.1480 mL	18.2959 mL
	5 mM	0.3659 mL	1.8296 mL	3.6592 mL
	10 mM	0.1830 mL	0.9148 mL	1.8296 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: ≥ 2.08 mg/mL (3.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.08 mg/mL (3.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (3.81 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

5'-O-DMT-rU is a modified nucleoside and can be used to synthesize RNA.

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

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