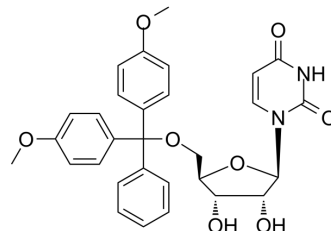


5'-O-DMT-rU

Cat. No.:	HY-138609
CAS No.:	81246-79-9
Molecular Formula:	C ₃₀ H ₃₀ N ₂ O ₈
Molecular Weight:	546.57
Target:	Nucleoside Antimetabolite/Analog; DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	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	1. 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						
	2. 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						
	3. 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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