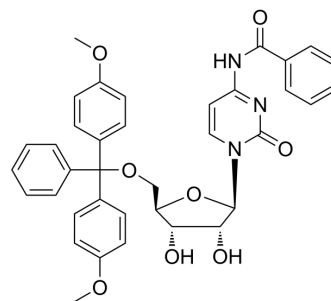


5'-O-DMT-Bz-rC

Cat. No.:	HY-138610
CAS No.:	81246-76-6
Molecular Formula:	C ₃₇ H ₃₅ N ₃ O ₈
Molecular Weight:	649.69
Target:	DNA/RNA Synthesis; Nucleoside Antimetabolite/Analog
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 : 100 mg/mL (153.92 mM; Need ultrasonic)			
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg
				5 mg
				10 mg
				10 mM
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: 2.5 mg/mL (3.85 mM); Suspended solution; Need ultrasonic			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (3.85 mM); Suspended solution; Need ultrasonic			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.85 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	5'-O-DMT-Bz-Rc is a modified nucleoside and can be used to synthesize DNA or RNA.
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Caution: Product has not been fully validated for medical applications. For research use only.

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