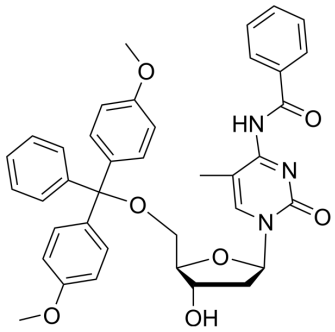
5'-O-DMT-N4-Bz-5-Me-dC

Cat. No.:	HY-138601
CAS No.:	104579-03-5
Molecular Formula:	$C_{38}H_{37}N_3O_7$
Molecular Weight:	647.72
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 : 41.67 mg/mL (64.33 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.5439 mL	7.7194 mL	15.4388 mL
	5 mM	0.3088 mL	1.5439 mL	3.0878 mL
	10 mM	0.1544 mL	0.7719 mL	1.5439 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 (3.21 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (3.21 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (3.21 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5'-O-DMT-N4-Bz-5-Me-dC is a modified nucleoside. 5'-O-DMT-2'-O-TBDMS-rI can be used in the synthesis of deoxyribonucleic acid or nucleic acid.

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