5'-O-TBDMS-dA

Cat. No.: HY-138599

CAS No.: 51549-30-5

Molecular Formula: $C_{16}H_{27}N_5O_3Si$

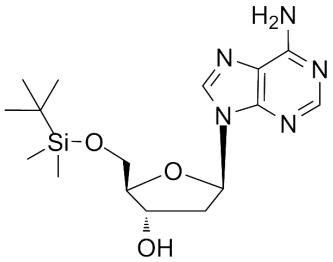
Molecular Weight: 365.5

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 (273.60 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.7360 mL	13.6799 mL	27.3598 mL
	5 mM	0.5472 mL	2.7360 mL	5.4720 mL
	10 mM	0.2736 mL	1.3680 mL	2.7360 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: ≥ 2.5 mg/mL (6.84 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (6.84 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (6.84 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5'-O-TBDMS-dA is a modified nucleoside and can be used to synthesize DNA or RNA.

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