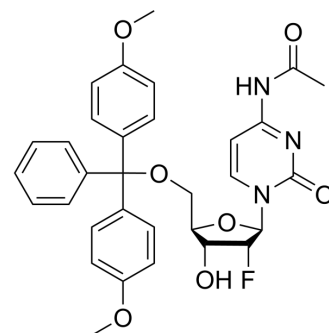


5'-O-DMT-N4-Ac-2'-F-dC

Cat. No.:	HY-138602
CAS No.:	159414-98-9
Molecular Formula:	C ₃₂ H ₃₂ FN ₃ O ₇
Molecular Weight:	589.61
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 : 250 mg/mL (424.01 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.6960 mL	8.4802 mL	16.9604 mL
	5 mM	0.3392 mL	1.6960 mL	3.3921 mL
	10 mM	0.1696 mL	0.8480 mL	1.6960 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 (3.53 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (3.53 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (3.53 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

5'-O-DMT-N4-Ac-2'-F-dC is a modified nucleoside and can be used to synthesize DNA or RNA.

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

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