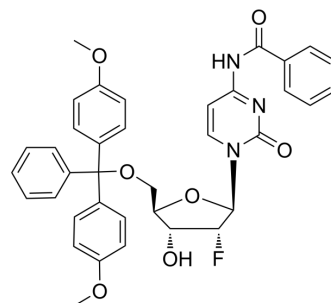


## 5'-O-DMT-N4-Bz-2'-F-dC

Cat. No.:	HY-138603
CAS No.:	146954-77-0
Molecular Formula:	C <sub>37</sub> H <sub>34</sub> FN <sub>3</sub> O <sub>7</sub>
Molecular Weight:	651.68
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 (153.45 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.5345 mL	7.6725 mL	15.3450 mL
		5 mM	0.3069 mL	1.5345 mL	3.0690 mL
	10 mM	0.1534 mL	0.7672 mL	1.5345 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 (3.84 mM); Suspended solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.84 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	5'-O-DMT-N4-Bz-2'-F-dC is a nucleoside with protective and modification effects.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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