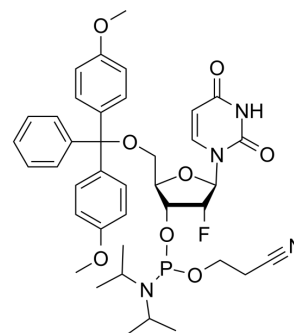


DMT-2'Fluoro-dU Phosphoramidite

Cat. No.:	HY-45409	
CAS No.:	146954-75-8	
Molecular Formula:	C ₃₉ H ₄₆ FN ₄ O ₈ P	
Molecular Weight:	748.78	
Target:	Nucleoside Antimetabolite/Analog	
Pathway:	Cell Cycle/DNA Damage	
Storage:	Powder	-20°C 3 years
	In solvent	-80°C 6 months
		-20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (133.55 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.3355 mL	6.6775 mL	13.3551 mL
5 mM	0.2671 mL	1.3355 mL	2.6710 mL
10 mM	0.1336 mL	0.6678 mL	1.3355 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: ≥ 2.5 mg/mL (3.34 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (3.34 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DMT-2'Fluoro-dU Phosphoramidite could be used for nucleoside modification.

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

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