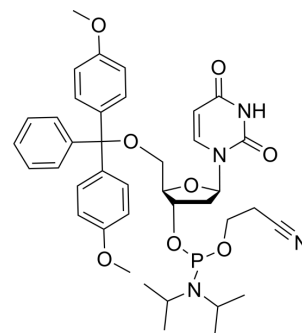


DMT-dU-CE Phosphoramidite

Cat. No.:	HY-132136
CAS No.:	109389-30-2
Molecular Formula:	C ₃₉ H ₄₇ N ₄ O ₈ P
Molecular Weight:	730.79
Target:	DNA/RNA Synthesis
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 (136.84 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.3684 mL	6.8419 mL	13.6838 mL
		5 mM		0.2737 mL	1.3684 mL	2.7368 mL
10 mM		0.1368 mL	0.6842 mL	1.3684 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<p>1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.42 mM); Clear solution</p> <p>2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.42 mM); Clear solution</p>					

BIOLOGICAL ACTIVITY

Description	DMT-dU-CE Phosphoramidite is a nucleoside molecule that can be used in DNA synthesis and DNA sequencing ^[1] .
In Vitro	DMT-dU-CE Phosphoramidite can be used in DNA synthesis and DNA sequencing ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hatano A, et, al. Synthesis of a protected ribonucleoside phosphoramidite-linked spin label via an alkynyl chain at the 5' position of uridine. Synthetic Communications. 2019; 49(1).

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA