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Produktinformation



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Diagnostik & molekulare Diagnostik



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Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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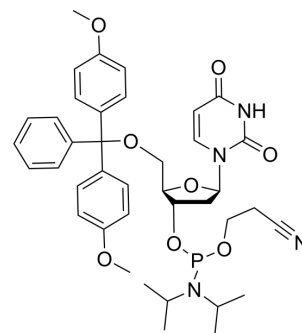
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DMT-dU-CE Phosphoramidite

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 Concentration	Mass	1 mg	5 mg	10 mg	
				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	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						
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.42 mM); Clear solution						

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.

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