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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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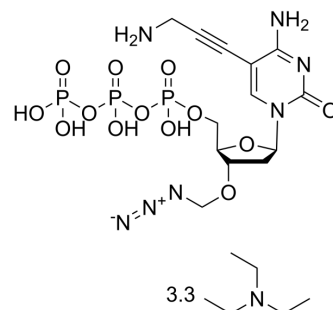
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5-Propargylamino-3'-azidomethyl-dCTP TEA

Cat. No.:	HY-132138A
Molecular Formula:	C ₁₃ H ₂₀ N ₇ O ₁₃ P ₃ ·3.3C ₆ H ₁₅ N
Molecular Weight:	909.19
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (137.49 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.0999 mL	5.4994 mL	10.9988 mL
	5 mM		0.2200 mL	1.0999 mL	2.1998 mL
	10 mM		0.1100 mL	0.5499 mL	1.0999 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

5-Propargylamino-3'-azidomethyl-dCTP (TEA) is a nucleotide molecule that can be used in DNA synthesis and DNA sequencing. For detailed information, refer to compound 17 in patent document WO2004018497A2. 5-Propargylamino-3'-azidomethyl-dCTP (TEA) is a click chemistry reagent containing an azide group, which can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing alkyne groups. It can also react with molecules containing DBCO or BCN groups through strain-promoted alkyne-azide cycloaddition (SPAAC)^[1].

REFERENCES

[1]. Milton J, et, al. Modified nucleotides for polynucleotide sequencing. WO2004018497A2.

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

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