



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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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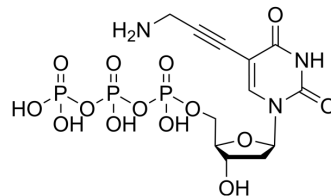
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5-PA-dUTP

Cat. No.:	HY-132141
CAS No.:	179101-49-6
Molecular Formula:	C ₁₂ H ₁₈ N ₃ O ₁₄ P ₃
Molecular Weight:	521.2
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Solution, -20°C, 2 years



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 125 mg/mL (239.83 mM; Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	5-PA-dUTP (5-Propargylamino-dUTP) is a C5-modified nucleotide and can be incorporated into DNA nanoparticles (DNPs) for photosensitizer delivery ^[1] . 5-PA-dUTP is a click chemistry reagent, it contains an Alkyne group and can undergo copper-catalyzed azide-alkyne cycloaddition (CuAAC) with molecules containing Azide groups.
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REFERENCES

[1]. Kyoung-Ran Kim, et al. Shaping Rolling Circle Amplification Products into DNA Nanoparticles by Incorporation of Modified Nucleotides and Their Application to In Vitro and In Vivo Delivery of a Photosensitizer. *Molecules*. 2018 Jul 23;23(7):1833.

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

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