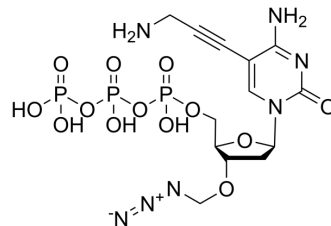


5-Propargylamino-3'-azidomethyl-dCTP

Cat. No.:	HY-132138
CAS No.:	666847-71-8
Molecular Formula:	C ₁₃ H ₂₀ N ₇ O ₁₃ P ₃
Molecular Weight:	575.26
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

5-Propargylamino-3'-azidomethyl-dCTP is a nucleoside molecule extracted from patent WO2004018497A2, compound 17. 5-Propargylamino-3'-azidomethyl-dCTP can be used in DNA synthesis and DNA sequencing^[1]. 5-Propargylamino-3'-azidomethyl-dCTP is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

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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