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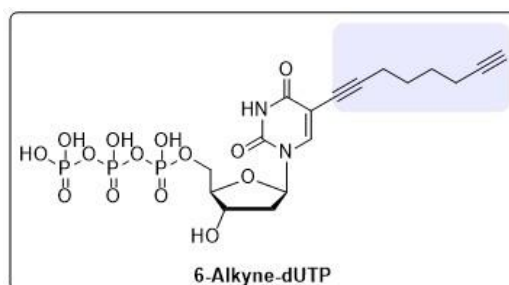
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6-Alkyne-dUTP (C8-Alkyne-dUTP)

<https://buyolig.com/pcr-components-and-buffers/nucleoside-triphosphates-/modified/6-alkyne-dutp--c8-alkyne-dutp->

Nucleoside Triphosphate 6-Alkyne-dUTP is a 2'-deoxyuridine triphosphate modified at the C-5 position of the pyrimidine ring. The modifying fragment contains the terminal acetylene group attached to the nitrogen-containing base through the 6-atom linker by a C–C triple bond.

6-Alkyne-dUTP is used for enzymatic incorporation of nucleosides with terminal acetylene groups into DNA. The obtained modified DNA can be further functionalized via click reaction with azide-functionalized label.



General properties

Appearance:	Clear colorless or slightly yellow liquid
Molecular mass, g/mol (free acid):	572.29
Brutto formula (free acid):	C ₁₇ H ₂₃ N ₂ O ₁₄ P ₃
Purity:	≥ 95 % (HPLC)
Storage conditions:	12 month (from the production date) at -18°C or lower