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## Product Datasheet

**C8-Alkyne-dUTP, CAS [[1004297-65-7 free acid]]**  
**BCL-BCT-05-L**

Article Name	C8-Alkyne-dUTP, CAS [[1004297-65-7 free acid]]
Biozol Catalog Number	BCL-BCT-05-L
Supplier Catalog Number	BCT-05-L
Alternative Catalog Number	BCL-BCT-05-L
Manufacturer	baseclick
Category	Biochemikalien
Product Description	C8-Alkyne-dUTP is easily incorporated into DNA by PCR instead of dUTP using polymerases like Pwo, Deep Vent exo- or KOD XL. The resulting stable and modified PCR fragment is now ready for further functionalization by click chemistry. We recommend a s...
Concentration	100 mM
Molecular Weight	572.29 g/mol
Purity	95% (HPLC)
Form	Liquid
CAS Number	[1004297-65-7 free acid]
Formula	C17H23N2O14P3
Application Notes	C8-Alkyne-dUTP is a modified deoxyuridine triphosphate (dUTP) featuring a C8 alkyne group at the C5 position of the uracil base. It enables site-specific DNA labeling via Cu(I)-catalyzed azide-alkyne cycloaddition (CuAAC), supporting a wide range of downstream applications in molecular biology, diagnostics, and nanobiotechnology.