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Product Datasheet

C8-Alkyne-dCTP, CAS [[1374991-80-6 sodium salt 1004297-66-8 free acid]] BCL-BCT-06-S

Article Name	C8-Alkyne-dCTP, CAS [[1374991-80-6 sodium salt 1004297-66-8 free acid]]
Biozol Catalog Number	BCL-BCT-06-S
Supplier Catalog Number	BCT-06-S
Alternative Catalog Number	BCL-BCT-06-S
Manufacturer	baseclick
Category	Biochemikalien
Product Description	C8-Alkyne-dCTP is easily incorporated into DNA by PCR instead of dCTP 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	571.31 g/mol
Purity	95% (HPLC)
Form	Liquid
CAS Number	[1374991-80-6 sodium salt 1004297-66-8 free acid]
Formula	C17H24N3O13P3
Application Notes	This strategic modification enables bioorthogonal conjugation via Cu(I)-catalyzed azide-alkyne cycloaddition (CuAAC), making it a powerful tool for site-specific DNA labeling, molecular tracking, and functionalization during enzymatic synthesis.