

Product Datasheet

5-DBCO-PEG4-dUTP (orb1734971)

Description	5-DBCO-PEG 4-dUTP is recommended for two-step labeling of DNA/cDNA e.g. by PCR. It is enzymatically ...
Form/Appearance	solution in 100 mM Tris-HCl; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	10 mM-11 mM
Storage	store at -20 °C. Short term exposure (up to 1 week cumulative) to ambient temperature possible
Note	For research use only
Application notes	Incorporation into DNA/cDNA by PCR with Taq polymerase in-house data. Spectroscopic Propertie: λ _{max} 289 nm, ε 12.5 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).
Formula	C ₄₂ H ₅₄ N ₅ O ₂₁ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1057.83 g/mol (free acid); Detected MW: 1057.25 g/mol (free acid)
SMILES	<chem>c1(=O)[nH]c(=O)n(cc1/C=C/CNC(=O)CCOCCOCCOCCOCCNC(=O)CCC(=O)N1Cc2c(C#Cc3c1cccc3)cccc2)[C@H]1C[C@H](O)[C@H](O1)COP(=O)(O)OP(=O)(O)OP(=O)(O)O</chem>
Expiration Date	12 months from date of receipt.