

Product Datasheet

5-TCO-PEG4-dUTP (orb532289)

Description	5-TCO-dUTP is recommended for two-step labeling of DNA/cDNA e.g. by PCR. It is enzymatically incorpo...
Form/Appearance	solution in water; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	1.0 mM-1.1 mM
Storage	store at -20 °C
Note	For research use only
Application notes	Incorporation into DNA/cDNA by PCR with Taqpolymerasein-house data. Spectroscopic Propertie: λ _{max} 240 nm, ε 10.7 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).
Formula	C ₃₂ H ₅₃ N ₄ O ₂₁ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 922.70 g/mol (free acid); Detected MW: 922.24 g/mol (free acid)
SMILES	C(/C=C/c1cn(c(=O)[nH]c1=O)[C@H]1C[C@@H]([C@H](O1)COP(=O)(O)OP(=O)(O)OP(=O)(O)O)NC(=O)CCOCCOCCOCCOCCNC(=O)OC1CCCC=CCC1
Expiration Date	12 months from date of receipt.