

Product Datasheet

DIG-11-dUTP (orb1733878)

Description	Digoxigenin-11-dUTP is enzymatically incorporated into DNA/cDNA as substitute for its natural counte...
Form/Appearance	filtered solution (30 kDa) in 10 mM Tris-HCl; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	1.0 mM-1.1 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 Taqpolymerase & in-house data; Nick Translation with DNase I/DNA Polymerase I and in-house data; Primer Extension with Klenow exo-; 3'-End Labeling with Terminal deoxynucleotidyl Transferase (TdT); Reverse Transcription with MMLV Reverse Transcriptase. Incorporation into RNA by 3'-End Labeling with Terminal deoxynucleotidyl Transferase (TdT). Spectroscopic Propertie: λmax 290 nm, ε 8.8 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).
Formula	C ₄₃ H ₆₅ N ₄ O ₂₁ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1066.91 g/mol (free acid); Detected MW: 1066.34 g/mol (free acid)
SMILES	C1[C@@H]2[C@](CC[C@@H]1OCC(=O)NCCCCC(=O)NC/C=C/c1c(=O)[nH]c(=O)n([C@@H]3O[C@H](COP(=O)(OP(=O)(OP(=O)(O)O)O)O)[C@@H](O)C3)c1)([C@@H]1[C@@H](CC2)[C@@]2([C@]([C@@H](C1)O)([C@H](CC2)C1=CC(=O)OC1)C)O)C
Expiration Date	12 months from date of receipt.