

Product Datasheet

Aminoallyl-dUTP - Solution (orb533130)

Description	Aminoallyl-dUTP is recommended for two-step labeling of DNA/cDNA e.g. by PCR, Nick Translation, Prim...
Form/Appearance	solid; Color: white to off-white
Storage	store at -20 °C
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; Primer Extension with Klenow exo-; 3'-End Labeling with Terminal deoxynucleotidyl Transferase (TdT); Reverse Transcription with MMLV Reverse Transcriptase. Spectroscopic Propertie: λ_{\max} 289 nm, ϵ 7.1 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).
Formula	C ₁₂ H ₂₀ N ₃ O ₁₄ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 523.22 g/mol (free acid); Detected MW: 523.02 g/mol (free acid)
CAS Number	116840-18-7
SMILES	NC/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)O)O
Expiration Date	12 months from date of receipt.