

Product Datasheet

Aminoallyl-dUTP - Solution (orb1733874)

Description	Aminoallyl-dUTP is recommended for two-step labeling of DNA/cDNA e.g. by PCR, Nick Translation, Prim...
Form/Appearance	solution in water; Color: colorless to slightly yellow; pH: 7.5 ± 0.5
Concentration	100 mM-110 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; Primer Extension with Klenow exo-; 3'-End Labeling with Terminal deoxynucleotidyl Transferase (TdT); Reverse Transcription with MMLV Reverse Transcriptase. Spectroscopic Propertie: λmax 289 nm, ε 7.1 L mmol-1 cm-1 (Tris-HCl, pH 7.5).
Formula	$C_{12}H_{20}N_3O_{14}P_3$
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	<chem>NC=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)</chem>
Expiration Date	12 months from date of receipt.