

Product Datasheet

Aminoallyl-dUTP-ATTO-550 (orb1733887)

Description	Aminoallyl-dUTP-ATTO550 is recommended for direct enzymatic labeling of DNA/cDNA by Nick Translation...
Form/Appearance	filtered solution (30 kDa) in 10 mM Tris-HCl; Color: red-violet; 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 Nick Translation with DNase I/DNA Polymerase I in-house data. Spectroscopic Propertie: λ _{exc} 554 nm, λ _{em} 576 nm, ε 120.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₄₉ H ₆₁ N ₆ O ₁₇ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1098.97 g/mol (free acid); Detected MW: 1098.33 g/mol (free acid)
SMILES	[C@@H]1(C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)([O-])O)O)n1c(=O)[nH]c(=O)c(c1)/C=C/CNC(=O)CCCN(C(=O)c1c(C2=c3cc4C(CC([NH+]=c4cc3Oc3cc4NC(CC(c4cc23)C)(C)C)(C)C)C)cccc1)C)O
Expiration Date	12 months from date of receipt.