

Product Datasheet

Aminoallyl-dUTP-ATTO-647N (orb64153)

Description	Aminoallyl-dUTP-ATTO647N is recommended for direct enzymatic labeling of DNA/cDNA by Nick Translatio...
Form/Appearance	filtered solution (30 kDa) in 10 mM Tris-HCl; Color: blue; 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 Nick Translation with DNase I/DNA Polymerase I in-house data. Spectroscopic Propertie: λ _{exc} 646 nm, λ _{em} 664 nm, ε 150.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₅₄ H ₆₉ N ₆ O ₁₆ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1151.08 g/mol (free acid); Detected MW: 1150.40 g/mol (free acid)
SMILES	P(=O)(OP(=O)(O)O)(O)OP(=O)(O)OC[C@H]1O[C@H](C[C@@H]1O)n1c(=O)[nH]c(=O)c(c1)/C=C/CNC(=O)CCCN(C(=O)c1c(C2=c3cc4c5=[N+](C(CC4)CCCC5c3C(c3c2cc2c(c3)N(C(CC2C)(C)C)CC)(C)C)cccc1)C
Expiration Date	12 months from date of receipt.