

Product Datasheet

Aminoallyl-dUTP-ATTO-425 (orb64167)

Description	Aminoallyl-dUTP-ATTO425 is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and Nic...
Form/Appearance	solution in water; Color: green-yellow; 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: PCR with Taqpolymerasein-house data; Nick Translation with DNase I/DNA Polymerase lin-house data. Spectroscopic Propertie: λ _{exc} 439 nm, λ _{em} 485 nm, ε 45.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₃₄ H ₄₅ N ₄ O ₁₉ P ₃
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 906.66 g/mol (free acid); Detected MW: 906.16 g/mol (free acid)
SMILES	<chem>O=C(OCC)c1cc2c(oc1=O)cc1N(CCCC(=O)NC/C=C/c3cn(c(=O)[nH]c3=O)[C@H]3C[C@@H]([C@H](O3)COP(=O)(O)OP(=O)(O)OP(=O)(O)O)O)C(C)(C)CC(C)c1c2</chem>
Expiration Date	12 months from date of receipt.