

Product Datasheet

Aminoallyl-dUTP-XX-ATTO-594 (orb1733868)

Description	Aminoallyl-dUTP-XX-ATTO594 is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and ...
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: PCR with Taqpolymerasein-house data; Nick Translation with DNase I/DNA Polymerase lin-house data. Spectroscopic Propertie: λ _{exc} 602 nm, λ _{em} 626 nm, ε 120.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₆₅ H ₈₇ N ₈ O ₂₅ P ₃ S ₂
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1537.48 g/mol (free acid); Detected MW: 1536.44 g/mol (free acid)
SMILES	<chem>C(/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)NC(=O)CCCCNC(=O)CCCCNC(=O)CCN(C(=O)c1c(ccc1)C1=c2c(Oc3c1cc1c(c3)N(C(C=C1CS(=O)(=O)O)(C)C)CC)cc1=[N+](C(C=C(c1c2)CS(=O)(=O)[O-])(C)C)CC)C</chem>
Expiration Date	12 months from date of receipt.