

Product Datasheet

Aminoallyl-dUTP-XX-AF647 (orb1733865)

Description	Aminoallyl-dUTP-XX-AF647 is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and Ni...
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. 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 Taq polymerase in-house data; Nick Translation with DNase I/DNA Polymerase in-house data. Spectroscopic Propertie: λ _{exc} 648 nm, λ _{em} 671 nm, ε 270.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₆₁ H ₈₈ N ₇ O ₂₉ P ₃ S ₂
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1604.56 g/mol (free acid); Detected MW: 1603.37 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)CCCCNC(=O)CCCCNC(=O)CCCC[N+]1=C(C(C)(c2cc(ccc12)S(=O)(=O)O)CCCS(=O)(=O)[O-])/C=C/C=C/C=C\1/N(c2ccc(cc2C1(C)C)S(=O)(=O)O)CCCS(=O)(=O)O
Expiration Date	12 months from date of receipt.