

Product Datasheet

Aminoallyl-dUTP-Texas Red (orb64128)

Description	Aminoallyl-dUTP-Texas Red is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and N...
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
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 Properties: λ _{exc} 588 nm, λ _{em} 609 nm, ε 80.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₄₉ H ₅₉ N ₆ O ₂₁ P ₃ S ₂
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1225.07 g/mol (free acid); Detected MW: 1224.24 g/mol (free acid)
SMILES	<chem>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)CCCCNS(=O)(=O)c1cc(c(cc1)C1=c2c(Oc3c1cc1c4c3CCCN4CCC1)c1c3=[N+](CCCc3c2)CCC1)S(=O)(=O)[O-].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)CCCCNS(=O)(=O)c1cc(ccc1C1=c2c(Oc3c1cc1c4c3CCCN4CCC1)c1c3=[N+](CCCc3c2)CCC1)S(=O)(=O)[O-]</chem>
Expiration Date	12 months from date of receipt.