

Product Datasheet

Aminoallyl-dUTP-XX-Texas Red (orb1733862)

Description	Aminoallyl-dUTP-XX-Texas Red is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR an...
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: λexc 588 nm, λem 609 nm, ε 80.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₆₁ H ₈₁ N ₈ O ₂₃ P ₃ S ₂
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1451.39 g/mol (free acid); Detected MW: 1450.41 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)CCCCCNC(=O)CCCCCNC(=O)CCCCCN S(=O)(=O)c1cc(c(cc1)C1=c2c(Oc3c1cc1c4c3CCCN4CCC1)c1c3=[N+](C CCc3c2)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)CCCCCNC(=O)CCCCCNC(=O)CCCCCN OS(=O)(=O)c1cc(ccc1C1=c2c(Oc3c1cc1c4c3CCCN4CCC1)c1c3=[N+](C CCc3c2)CCC1)S(=O)(=O)[O-]</chem>
Expiration Date	12 months from date of receipt.