

Product Datasheet

Aminoallyl-dUTP-XX-ATTO-488 (orb533132)

Description	Aminoallyl-dUTP-XX-ATTO488 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: 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 Taqpolymerase in-house data; Nick Translation with DNase I/DNA Polymerase in-house data. Spectroscopic Propertie: λ _{exc} 500 nm, λ _{em} 520 nm, ε 90.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₄₉ H ₆₃ N ₈ O ₂₅ P ₃ S ₂
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1321.11 g/mol (free acid); Detected MW: 1320.26 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)CCCN(C(=O)c1c(ccc1)c1c2c(oc3c1ccc(=[NH2+])c3S(=O)(=O)[O-])c(c(cc2)N)S(=O)(=O)O)C</chem>
Expiration Date	12 months from date of receipt.