

Product Datasheet

Aminoallyl-dUTP-ATTO-680 (orb1733883)

Description	Aminoallyl-dUTP-ATTO680 is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and Nic...
Form/Appearance	solution in water; 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 Taqpolymerasein-house data; Nick Translation with DNase I/DNA Polymerase lin-house data. Spectroscopic Propertie: λ _{exc} 681 nm, λ _{em} 698 nm, ε 125.0 L mmol ⁻¹ cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₃₉ H ₄₉ N ₆ O ₁₉ P ₃ S
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1030.83 g/mol (free acid); Detected MW: 1030.20 g/mol (free acid)
SMILES	[C@@H]1(C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)n1c(=O)[nH]c(=O)c(c1)/C=C/CNC(=O)CCCN1c2c(C(=CC1(C)C)CS(=O)(=O)[O-])cc1c(c2)Oc2c(=N1)cc1c(=[N+](CCC1)CC)c2)O
Expiration Date	12 months from date of receipt.