

Product Datasheet

Aminoallyl-dUTP-XX-IR680LT (orb1733328)

Catalog Number	orb1733328
Category	Small Molecules
Description	Recommended Aminoallyl-dUTP-XX-IR680LT/dTTP ratio for PCR: 30-50% Aminoallyl-dUTP-XX-IR680LT/70%-50% dTTP.
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
Purity	≥ 95% (HPLC)
MW	Theoretical MW: 1926.86 g/mol (free acid); Detected MW: 1925.33 g/mol (free acid)
Application notes	Incorporation into DNA/cDNA by-PCR with Taq polymerase in-house data. Spectroscopic Propertie: λ _{exc} 679 nm, λ _{em} 694 nm, ε 190.0 L mmol ⁻¹ , cm ⁻¹ (Tris-HCl pH 7.5).
Formula	C ₇₄ H ₉₄ N ₇ O ₃₅ P ₃ S ₆
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)CCCCNC(=O)CCCCNC(=O)CCCCc1ccc(cc1)/C(=C\C=C\1/C(c2c(N1C)ccc1c2cc(cc1S(=O)(=O)O)S(=O)(=O)O)(C)CCCS(=O)(=O)O)/C=C/C1=[N+](c2c(C1(C)CCCS(=O)(=O)O)c1c(cc2)c(cc(c1)S(=O)(=O)O)S(=O)(=O)[O-])C</chem>
Storage	store at -20 °C. Short term exposure (up to 1 week cumulative) to ambient temperature possible
Note	For research use only
Expiration Date	12 months from date of receipt.

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