

Product Datasheet

Aminoallyl-dUTP-XX-IR680LT (orb1733328)

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| Description | Recommended Aminoallyl-dUTP-XX-IR680LT/dTTP ratio for PCR: 30-50% Aminoallyl-dUTP-XX-IR680LT/70%-50%... |
| 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 |
| 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. 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 |
| Purity | ≥ 95% (HPLC) |
| MW | Theoretical MW: 1926.86 g/mol (free acid); Detected MW: 1925.33 g/mol (free acid) |
| SMILES | 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)CCCCc1c(cc(c1)/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 |
| Expiration Date | 12 months from date of receipt. |