

## Product Datasheet

### Aminoallyl-dUTP-XX-IR680LT (orb1479221)

<b>Catalog Number</b>	orb1479221
<b>Category</b>	Small Molecules
<b>Description</b>	Recommended Aminoallyl-dUTP-XX-IR680LT/dTTP ratio for PCR: 30-50% Aminoallyl-dUTP-XX-IR680LT/70%-50% dTTP.
<b>Form/Appearance</b>	filtered solution (30 kDa) in 10 mM Tris-HCl; Color: blue; pH: 7.5 ± 0.5
<b>Concentration</b>	1.0 mM-1.1 mM
<b>Purity</b>	≥ 95% (HPLC)
<b>MW</b>	Theoretical MW: 1926.86 g/mol (free acid); Detected MW: 1925.33 g/mol (free acid)
<b>Application notes</b>	Incorporation into DNA/cDNA by-PCR with Taq polymerase in-house data. <b>Spectroscopic Propertie:</b> λ <sub>exc</sub> 679 nm, λ <sub>em</sub> 694 nm, ε 190.0 L mmol <sup>-1</sup> , cm <sup>-1</sup> (Tris-HCl pH 7.5).
<b>Formula</b>	C <sub>74</sub> H <sub>94</sub> N <sub>7</sub> O <sub>35</sub> P <sub>3</sub> S <sub>6</sub>
<b>SMILES</b>	<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>
<b>Storage</b>	store at -20 °C
<b>Hazard Information</b>	Non-Toxic
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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