

## Product Datasheet

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

<b>Description</b>	Aminoallyl-dUTP-XX-ATTO488 is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and ...
<b>Form/Appearance</b>	filtered solution (30 kDa) in 10 mM Tris-HCl; Color: yellow; pH: 7.5 ± 0.5
<b>Concentration</b>	1.0 mM-1.1 mM
<b>Storage</b>	store at -20 °C
<b>Note</b>	For research use only
<b>Application notes</b>	Incorporation into DNA/cDNA by: PCR with Taqpolymerase in-house data; Nick Translation with DNase I/DNA Polymerase in-house data. <b>Spectroscopic Propertie:</b> λ <sub>exc</sub> 500 nm, λ <sub>em</sub> 520 nm, ε 90.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).
<b>Formula</b>	C <sub>49</sub> H <sub>63</sub> N <sub>8</sub> O <sub>25</sub> P <sub>3</sub> S <sub>2</sub>
<b>Purity</b>	≥ 95% (HPLC)
<b>MW</b>	Theoretical MW: 1321.11 g/mol (free acid); Detected MW: 1320.26 g/mol (free acid)
<b>SMILES</b>	<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>
<b>Expiration Date</b>	12 months from date of receipt.