

## Product Datasheet

### 5-Propargylamino-dCTP-Cy3 (orb1733850)

<b>Description</b>	5-Propargylamino-dCTP-Cy3 is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR and N...
<b>Form/Appearance</b>	solution in 10 mM Tris-HCl; Color: pink; pH: 7.5 ± 0.5
<b>Concentration</b>	1.0 mM-1.1 mM
<b>Storage</b>	store at -20 °C. Short term exposure (up to 1 week cumulative) to ambient temperature possible
<b>Note</b>	For research use only
<b>Application notes</b>	Incorporation into DNA/cDNA by: Primer Extension with Klenow fragment; PCR with Taq polymerase in-house data; Nick Translation with DNase I/DNA Polymerase in-house data. <b>Spectroscopic Properties:</b> λ <sub>exc</sub> 550 nm, λ <sub>em</sub> 570 nm, ε 150.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).
<b>Formula</b>	C <sub>43</sub> H <sub>55</sub> N <sub>6</sub> O <sub>20</sub> P <sub>3</sub> S <sub>2</sub>
<b>Purity</b>	≥ 95% (HPLC)
<b>MW</b>	Theoretical MW: 1132.97 g/mol (free acid); Detected MW: 1132.21 g/mol (free acid)
<b>SMILES</b>	<chem>N(CC#Cc1cn(c(=O)nc1N)[C@@H]1O[C@H](COP(=O)(O)OP(=O)(O)OP(=O)(O)O)[C@H](C1)O)C(=O)CCCCCN1c2ccc(S(=O)(=O)[O-])cc2C(C)(C)/C1=C\C=C\C1=*(c2ccc(cc2C1(C)C)S(=O)(=O)O)CC</chem>
<b>Expiration Date</b>	12 months from date of receipt.