

## Product Datasheet

### 5-Propargylamino-dCTP-Texas Red (orb1733844)

<b>Description</b>	5-Propargylamino-dCTP-Texas Red is recommended for direct enzymatic labeling of DNA/cDNA e.g. by PCR...
<b>Form/Appearance</b>	solution in water; Color: red-violet; 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: PCR with Taqpolymerasein-house data; Nick Translation with DNase I/DNA Polymerase lin-house data. <b>Spectroscopic Propertie:</b> λ <sub>exc</sub> 588 nm, λ <sub>em</sub> 609 nm, ε 80.0 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl pH 7.5).
<b>Formula</b>	C <sub>49</sub> H <sub>58</sub> N <sub>7</sub> O <sub>20</sub> P <sub>3</sub> S <sub>2</sub>
<b>Purity</b>	≥ 95% (HPLC)
<b>MW</b>	Theoretical MW: 1222.07 g/mol (free acid); Detected MW: 1221.24 g/mol (free acid)
<b>SMILES</b>	[C@@H]1(C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c(=O)nc(c(c1)C#CCNC(=O)CCCCNS(=O)(=O)c1cc(c(cc1)C1=c2c(Oc3c1cc1c4c3CCCN4CCC1)c1c3=[N+](CCCc3c2)CCC1)S(=O)(=O)[O-])N)O.[C@@H]1(C[C@@H](O[C@@H]1COP(=O)(OP(=O)(OP(=O)(O)O)O)O)n1c(=O)nc(c(c1)C#CCNC(=O)CCCCNS(=O)(=O)c1cc(ccc1C1=c2c(Oc3c1cc1c4c3CCCN4CCC1)c1c3=[N+](CCCc3c2)CCC1)S(=O)(=O)[O-])N)O
<b>Expiration Date</b>	12 months from date of receipt.