

## Product Datasheet

### DIG-11-dUTP (orb533128)

<b>Description</b>	Digoxigenin-11-dUTP is enzymatically incorporated into DNA/cDNA as substitute for its natural counte...
<b>Form/Appearance</b>	filtered solution (30 kDa) in 10 mM Tris-HCl; Color: colorless to slightly 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 I and in-house data; Primer Extension with Klenow exo-; 3'-End Labeling with Terminal deoxynucleotidyl Transferase (TdT); Reverse Transcription with MMLV Reverse Transcriptase. Incorporation into RNA by-3'-End Labeling with Terminal deoxynucleotidyl Transferase (TdT). <b>Spectroscopic Propertie:</b> λmax 290 nm, ε 8.8 L mmol-1 cm-1 (Tris-HCl, pH 7.5).
<b>Formula</b>	C <sub>43</sub> H <sub>65</sub> N <sub>4</sub> O <sub>21</sub> P <sub>3</sub>
<b>Purity</b>	≥ 95% (HPLC)
<b>MW</b>	Theoretical MW: 1066.91 g/mol (free acid); Detected MW: 1066.34 g/mol (free acid)
<b>SMILES</b>	C1[C@@H]2[C@](CC[C@@H]1OCC(=O)NCCCCC(=O)NC/C=C/c1c(=O)[nH]c(=O)n([C@@H]3O[C@H](COP(=O)(OP(=O)(O)O)O)O)[C@@H](O)C3)c1([C@@H]1[C@@H](CC2)[C@@]2([C@]([C@@H](C1)O)([C@H](CC2)C1=CC(=O)OC1)C)O)C
<b>Expiration Date</b>	12 months from date of receipt.