

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## Product Datasheet

### **Biotin-14-dATP** **BYT-ORB533181**

Article Name	Biotin-14-dATP
Biozol Catalog Number	BYT-ORB533181
Supplier Catalog Number	orb533181
Alternative Catalog Number	BYT-ORB533181-5
Manufacturer	Biorbyt
Category	Biochemikalien
Product Description	Biotin-14-dATP is enzymatically incorporated into DNA/cDNA as substitute for its natural counterpart dATP. The resulting Biotin-labeled DNA/cDNA probes are subsequently detected using streptavidin conjugated with horseradish peroxidase (HRP), alkali...
Concentration	1.0 mM-1.1 mM
Molecular Weight	Theoretical MW: 929.81 g/mol (free acid), Detected MW: 929.27 g/mol (free acid)
Purity	95% (HPLC)
Form	filtered solution (30 kDa) in 10 mM Tris-HCl, Color: colorless to slightly yellow, pH: 7.5 0.5
Formula	C <sub>32</sub> H <sub>54</sub> N <sub>9</sub> O <sub>15</sub> P <sub>3</sub> S
Application Notes	Application Notes: Incorporation into DNA/cDNA by: Nick Translation with DNase I/DNA Polymerase I & in-house data, Primer Extension with Klenow fragment. Spectroscopic Propertie: $\lambda_{max}$ 266 nm, $\epsilon$ 16.2 L mmol <sup>-1</sup> cm <sup>-1</sup> (Tris-HCl, pH 7.5)