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Product Datasheet

Biotin-16-dUTP BYT-ORB64051

Article Name	Biotin-16-dUTP
Biozol Catalog Number	BYT-ORB64051
Supplier Catalog Number	orb64051
Alternative Catalog Number	BYT-ORB64051-5
Manufacturer	Biorbyt
Category	Biochemikalien
Product Description	Biotin-16-dUTP is enzymatically incorporated into DNA/cDNA as substitute for its natural counterpart dTTP. 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: 947.78 g/mol (free acid), Detected MW: 947.23 g/mol (free acid)
Purity	98% (HPLC)
Form	filtered solution (30 kDa) in water, Color: colorless to slightly yellow, pH: 7.5 0.5
Formula	C32H52N7O18P3S

Application Notes

Application Notes: Incorporation into DNA/cDNA by: PCR with Taq polymerase & in-house data, Nick Translation with DNase I/DNA Polymerase I & 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). Spectroscopic Properties: λ_{max} 240 nm, ϵ 10.7 L mmol⁻¹ cm⁻¹ (Tris-HCl, pH 7.5)