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Product Datasheet

Biotin-16-dCTP **BYT-ORB64049**

Article Name	Biotin-16-dCTP
Biozol Catalog Number	BYT-ORB64049
Supplier Catalog Number	orb64049
Alternative Catalog Number	BYT-ORB64049-5
Manufacturer	Biorbyt
Category	Biochemikalien
Product Description	Biotin-16-dCTP is enzymatically incorporated into DNA/cDNA as substitute for its natural counterpart dCTP. 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: 944.78 g/mol (free acid), Detected MW: 944.23 g/mol (free acid)
Buffer	Filtered solution (30 kDa) in 10 mM Tris-HCl. Color: colorless to slightly yellow. pH: 7.5 0.5
Purity	95% (HPLC)
Form	Liquid
Formula	C ₃₂ H ₅₁ N ₈ O ₁₇ P ₃ S (free acid)

Application Notes

Application Notes: Incorporation into DNA/cDNA by: PCR with Taq polymerase in-house data, Nick Translation with DNase I/DNA Polymerase I, Primer Extension with Klenow exo-, 3-End Labeling with Terminal deoxynucleotidyl Transferase (TdT), Reverse Transcription with MMLV Reverse Transcriptase. Spectroscopic Properties: λ_{max} 294 nm, ϵ 9.3 L mol⁻¹ cm⁻¹ (Tris-HCl, pH 7.5)