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Product Datasheet

Biotin-14-dCTP BYT-ORB1733736

Article Name	Biotin-14-dCTP
Biozol Catalog Number	BYT-ORB1733736
Supplier Catalog Number	orb1733736
Alternative Catalog Number	BYT-ORB1733736-200
Manufacturer	Biorbyt
Category	Sonstiges
Product Description	Biotin-14-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: 905.78 g/mol (free acid), Detected MW: 905.26 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 ₃₁ H ₅₄ N ₇ O ₁₆ P ₃ S
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: lambdamax 272 nm, epsilon 13.3 L mmol ⁻¹ cm ⁻¹ (Tris-HCl, pH 7.5).