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Product Datasheet

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

Artikelname	Biotin-16-dCTP
Artikelnummer	BYT-ORB64049
Hersteller Artikelnummer	orb64049
Alternativnummer	BYT-ORB64049-5
Hersteller	Biorbyt
Kategorie	Biochemikalien
Produktbeschreibung	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...
Konzentration	1.0 mM-1.1 mM
Molekulargewicht	Theoretical MW: 944.78 g/mol (free acid), Detected MW: 944.23 g/mol (free acid)
Puffer	Filtered solution (30 kDa) in 10 mM Tris-HCl. Color: colorless to slightly yellow. pH: 7.5 0.5
Reinheit	95% (HPLC)
Formulierung	Liquid
Formel	C32H51N8O17P3S (free acid)

Anwendungsbeschreibung

Application Notes: Incorporation into DNA/cDNA by: PCR with Taqpolymerasein-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 Propertie: λ_{max} 294 nm, ϵ 9.3 L mmol⁻¹ cm⁻¹ (Tris-HCl, pH 7.5)