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## Product Datasheet

### **Biotin-16-dUTP BYT-ORB64051**

|                          |  |
|--------------------------|--|
| Artikelname              | Biotin-16-dUTP   |
| Artikelnummer            | BYT-ORB64051   |
| Hersteller Artikelnummer | orb64051   |
| Alternativnummer         | BYT-ORB64051-5   |
| Hersteller               | Biorbyt  |
| Kategorie                | Biochemikalien   |
| Produktbeschreibung      | 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... |
| Konzentration            | 1.0 mM-1.1 mM  |
| Molekulargewicht         | Theoretical MW: 947.78 g/mol (free acid), Detected MW: 947.23 g/mol (free acid)  |
| Reinheit                 | 98% (HPLC)   |
| Formulierung             | filtered solution (30 kDa) in water, Color: colorless to slightly yellow, pH: 7.5 0.5  |
| Formel                   | C <sub>32</sub> H <sub>52</sub> N <sub>7</sub> O <sub>18</sub> P <sub>3</sub> S  |

Anwendungsbeschreibung

Application Notes: Incorporation into DNA/cDNA by: PCR with Taqpolymerase & 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 Propertie:  $\lambda_{\text{max}}$  240 nm,  $\epsilon$  10.7 L mmol<sup>-1</sup> cm<sup>-1</sup> (Tris-HCl, pH 7.5)