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Product Datasheet

5-Azido-C3-UTP BYT-ORB1734039

Artikelname	5-Azido-C3-UTP
Artikelnummer	BYT-ORB1734039
Hersteller Artikelnummer	orb1734039
Alternativnummer	BYT-ORB1734039-20
Hersteller	Biorbyt
Kategorie	Biochemikalien
Produktbeschreibung	5-Azido-C3-UTP...
Konzentration	10 mM-11 mM
Molekulargewicht	Theoretical MW: 567.23 g/mol (free acid), Detected MW: 567.02 g/mol (free acid)
Reinheit	95% (HPLC)
Formulierung	solution in water, Color: colorless to slightly yellow, pH: 7.5 0.5
Formel	C ₁₂ H ₂₀ N ₅ O ₁₅ P ₃

Anwendungsbeschreibung	<p>Application Notes: Incorporation into RNA by T7 RNA polymerase-mediated in vitro transcription (up to 1400 bp tested). 3-Azide-Labeling of T7 promotor-containing oligonucleotides. The resulting azide-functionalized RNA can subsequently be processed via Cu(I)-free (azide-DBCO) or Cu(I)-catalyzed (azide-alkyne) click chemistry that offers the choice: to introduce a Biotin group for subsequent purification tasks (via DBCO-functionalized Biotin or Alkynes of Biotin, respectively), to introduce fluorescent group for subsequent microscopic imaging (DBCO-functionalized fluorescent dyes or Alkynes of fluorescent dyes, respectively), to crosslink the RNA to azide-or alkyne functionalized biomolecules e.g. proteins.</p> <p>Spectroscopic Propertie: λ_{max} 260 nm, ϵ 8.8 L mmol⁻¹ cm⁻¹ (Tris-HCl, pH 7.5)</p>
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