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Product Datasheet

5-Azido-C3-UTP BYT-ORB1734039

Article Name	5-Azido-C3-UTP
Biozol Catalog Number	BYT-ORB1734039
Supplier Catalog Number	orb1734039
Alternative Catalog Number	BYT-ORB1734039-20
Manufacturer	Biorbyt
Category	Biochemikalien
Product Description	5-Azido-C3-UTP...
Concentration	10 mM-11 mM
Molecular Weight	Theoretical MW: 567.23 g/mol (free acid), Detected MW: 567.02 g/mol (free acid)
Purity	95% (HPLC)
Form	solution in water, Color: colorless to slightly yellow, pH: 7.5 0.5
Formula	C ₁₂ H ₂₀ N ₅ O ₁₅ P ₃

Application Notes

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.

Spectroscopic Propertie: λ_{max} 260 nm, ϵ 8.8 L mmol⁻¹ cm⁻¹ (Tris-HCl, pH 7.5)