BIOZOL

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Product Datasheet

5-Ethynyl-UTP (5-EUTP), CAS [[1193451-16-9 sodium salt 1004955-96-7 free acid]]

BCL-BCT-07-L

Article Name	5-Ethynyl-UTP (5-EUTP), CAS [[1193451-16-9 sodium salt 1004955-96-7 free acid]]
Biozol Catalog Number	BCL-BCT-07-L
Supplier Catalog Number	BCT-07-L
Alternative Catalog Number	BCL-BCT-07-L
Manufacturer	baseclick
Category	Biochemikalien
Product Description	5-Ethynyl-UTP (5-EUTP) can be incorporated into RNA using standard nucleotide mixtures and T7 RNA polymerase in vitro transcription. For a partial modified RNA we recommend to replace the natural base by only 1-10%. Modified mRNA is ready for labelin...
Concentration	100 mM
Molecular Weight	507.97 g/mol
Purity	98% (HPLC)
Form	Liquid
CAS Number	[1193451-16-9 sodium salt 1004955-96-7 free acid]

Formula	C11H15N2O15P3
Application Notes	During in vitro transcription, RNA polymerases efficiently incorporate 5-EUTP into RNA, introducing reactive alkyne group that enables selective post transcriptional tagging using bioorthogonal click chemistry, particularly copper(I)-catalyzed azide-alkyne cycloaddition (CuAAC).