

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

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).