

N1-Me-Pseudo UTP sodiumsolution



Each Molecular Promises Accuracy
info@hzymes.com
www.hzymes.com

Manual Version: V1.1

Product information

Product Name	Cat. No.	Size
N1-Me-Pseudo UTP sodiumsolution	HBP002500	0.1mL
	HBP002501	1mL
	HBP002502	20mL
	HBP002503	100mL
	HBP002504	500mL

Product description

N1-Me-pUTP or N1-Methyl-Pseudo-UTP, which is a modified nucleotide that can replace the natural cap and is added to in vitro transcription to reduce the autoimmunity, and can further improve the expression efficiency of mRNA by increasing the abundance of ribosome binding.

Compared with Pseudo-UTP, N1-Methyl-Pseudo-UTP can further improve the expression efficiency of mRNA in cells and reduce the autoimmunity of mRNA.

The purity of this product is $\geq 99\%$ (HPLC), Concentration is 100 mM, the pH (25°C) is 6.9 to 7.1, there is no DNase, RNase contamination and nuclease contamination, and it has been tested for in vitro transcription functionality.

Product specifications

Molecule Formula	$C_{10}H_{13}N_5Na_3O_{13}P_3$
Molecule Weight	563.13
CAS	987-65-5
Appearance	Clear colorless solution
Concentration	100mM \pm 3%
Purity(HPLC)	$\geq 99\%$
λ_{max}	271nm \pm 2nm
Structural formula	

Shipping and storage

Shipping on ice packs. Store at -25 ~ -15°C, avoid repeated freezing and thawing, valid for 1 year.

Precautions

- 1) After the product is dissolved, it should be stored on ice, and it should be stored at -20°C immediately after use.
- 2) For your safety and health, please wear a lab coat and disposable gloves to operate.