

me¹Ψ-UTP, N1-Methyl-Pseudo-UTP (100 mM)

Cat #: C-BSM1921

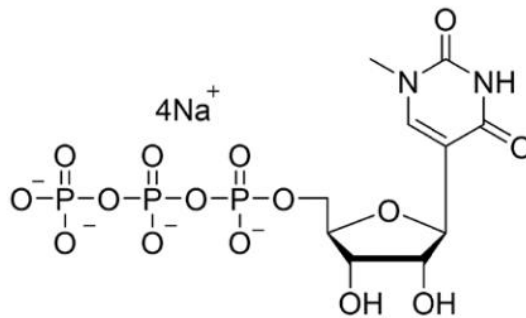
Size: 100 μl

Storage: -20°C

Components

Components	Amount
N ¹ -Methyl-Pseudo-UTP (100 mM)	100 μl

Note: To avoid repeated freezing and thawing or frequent exposure to temperature changes, it is recommended to aliquot for the first time.



Description

N¹-Methyl-Pseudo-UTP is modified nucleotide that can be added to mRNA by in vitro transcription to reduce mRNA autogenicity and further improve mRNA expression efficiency by increasing ribosome binding abundance. Experiments show that N¹-MethylPseudo-UTP can further improve mRNA expression efficiency and reduce mRNA autogenicity compared with Pseudo-UTP. This product is colorless transparent liquid, mainly used in oligonucleotide aptamer, epigenetics or DNA damage research, in vitro transcription (IVT), mutation induction, photocrosslinking research and other directions.

Technical Information

Shipping	Blue ice/Dry ice
Purity	≥98% (HPLC)
Salt type	Na ⁺
Buffer	20 mM Tris-HCl
Concentration	100 mM±5%
pH	8.0±0.5
Solubility	Water
CAS Number	1428903-59-6 (free acid)
Molecular Formula	C ₁₀ H ₁₇ N ₂ O ₁₅ P ₃ (free acid); C ₁₀ H ₁₃ N ₂ Na ₄ O ₁₅ P ₃ (Sodium salt)
Formula Weight	498.17 g/mol(free acid); 586.09 g/mol (Sodium salt)

Note: The product is animal-derived component free, and for research use only.