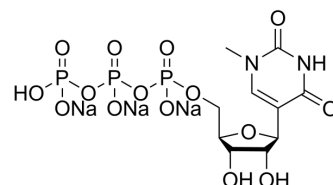


N1-Methylpseudouridine-5'-triphosphate trisodium

Cat. No.:	HY-112582C
Molecular Formula:	C ₁₀ H ₁₄ N ₂ Na ₃ O ₁₅ P ₃
Molecular Weight:	564.11
Target:	Nucleoside Antimetabolite/Analog; DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Solution, -20°C, 2 years



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 10 mg/mL (17.73 mM; Need ultrasonic)
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BIOLOGICAL ACTIVITY

Description	N1-Methylpseudouridine-5'-triphosphate (1-Methylpseudouridine-5'-triphosphate) trisodium is a nucleobase-modified nucleotide, used for synthesizing mRNA with reduced immunogenicity and improved stability ^[1] .
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REFERENCES

[1]. Andries O, Mc Cafferty S, De Smedt SC, Weiss R, Sanders NN, Kitada T. N(1)-methylpseudouridine-incorporated mRNA outperforms pseudouridine-incorporated mRNA by providing enhanced protein expression and reduced immunogenicity in mammalian cell lines and mice. J Control Release. 2015;217:337-344.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA