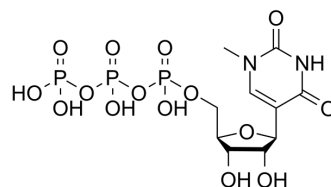


N1-Methylpseudouridine-5'-triphosphate

Cat. No.:	HY-112582A
CAS No.:	1428903-59-6
Molecular Formula:	C ₁₀ H ₁₇ N ₂ O ₁₅ P ₃
Molecular Weight:	498.17
Target:	Nucleoside Antimetabolite/Analog; DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

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

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.

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