

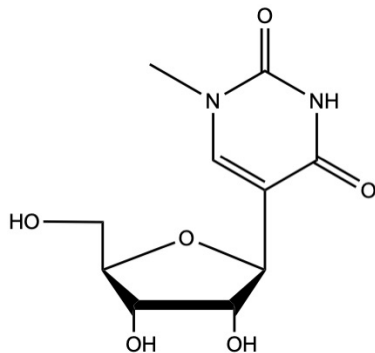
N¹-Methylpseudouridine

Catalog Number	Packaging Size
LP013-1	1 g
LP013-2	5 g
LP013-3	10 g

Storage upon receipt: -20°C

N¹-Methylpseudouridine is a modified nucleoside used for enhancing mRNA translation. Incorporation of N¹-Methylpseudouridine into mRNA turns off the immune/eIF2 α phosphorylation-dependent inhibition of translation, and increases ribosome pausing and density on the mRNA, thus dramatically facilitating the translation process. N¹-Methylpseudouridine outperforms several other modified nucleosides (e.g. 5-Methylcytidine) and corresponding combinations in terms of translation capacity.

For research use only.



Technical Information

Chemical Name:	N ¹ -Methylpseudouridine
CAS Number:	13860-38-3
Molecular Formula:	C ₁₀ H ₁₄ N ₂ O ₆
Molecular Weight:	258.23
Appearance:	White solid
Purity:	>99.5%
Storage Condition:	-20°C
Shipping Condition:	Room Temperature