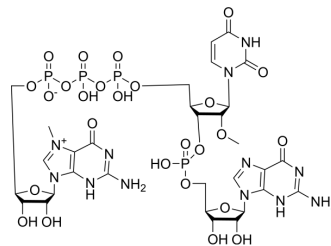


m7GpppUmpG

Cat. No.:	HY-145979
CAS No.:	2638447-87-5
Molecular Formula:	C ₃₁ H ₄₂ N ₁₂ O ₂₆ P ₄
Molecular Weight:	1122.63
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

m7GpppUmpG, an oligonucleotide, is an M⁷GpppNpG trinucleotide cap analogue. m7GpppUmpG can be used as a chemical tool enabling manufacturing of RNA featuring either cap 0 or cap 1 structures^[1].

REFERENCES

[1]. Sikorski PJ, et, al. The identity and methylation status of the first transcribed nucleotide in eukaryotic mRNA 5' cap modulates protein expression in living cells. *Nucleic Acids Res.* 2020 Feb 28;48(4):1607-1626.

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

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