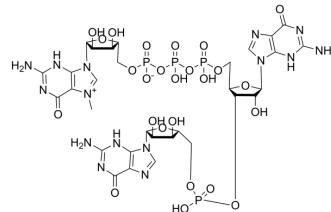


m7GpppGpG

Cat. No.:	HY-145976
CAS No.:	133608-76-1
Molecular Formula:	C ₃₁ H ₄₁ N ₁₅ O ₂₅ P ₄
Molecular Weight:	1147.64
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	m7GpppGpG, an oligonucleotide, is an M ⁷ GpppNpG trinucleotide cap analogue. m7GpppGpG prevents premature degradation by 5'-exonucleases and recruits proteins required for pre-mRNA splicing, mRNA transport and initiation of protein biosynthesis ^[1] .
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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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