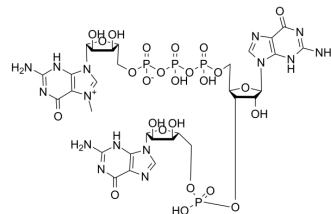


m7GpppGpG

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/Analogue
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.

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