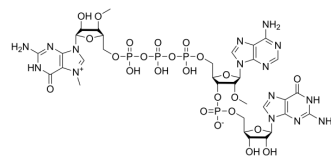


3'Ome-m7GpppAmpG

Cat. No.:	HY-145973
CAS No.:	2089461-55-0
Molecular Formula:	C ₃₃ H ₄₅ N ₁₅ O ₂₄ P ₄
Molecular Weight:	1159.69
Target:	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

3'Ome-m7GpppAmpG is a trinucleotide Cap analogue containing a locked nucleic acid (LNA) molecule. 3'Ome-m7GpppAmpG shows a significant translational efficiency. 3'Ome-m7GpppAmpG can be used as a potential molecular biology tool in the field of mRNA vaccines and mRNA transfection, such as protein production, gene therapy and anti-cancer immunization^[1].

REFERENCES

[1]. Senthilvelan A, et al. Trinucleotide Cap Analogue Bearing a Locked Nucleic Acid Moiety: Synthesis, mRNA Modification, and Translation for Therapeutic Applications. *Org Lett.* 2021 Jun 4;23(11):4133-4136.

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