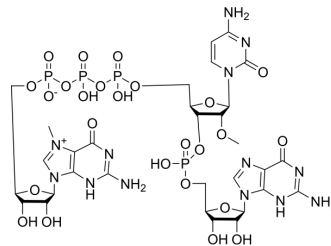


## m7GpppCmpG

Cat. No.:	HY-145982
CAS No.:	2089461-56-1
Molecular Formula:	C <sub>31</sub> H <sub>43</sub> N <sub>13</sub> O <sub>25</sub> P <sub>4</sub>
Molecular Weight:	1121.64
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

m7GpppCmpG, an oligonucleotide, is an M<sup>7</sup>GpppNpG trinucleotide cap analogue. m7GpppCmpG can be used as a chemical tool enabling manufacturing of RNA featuring either cap 0 or cap 1 structures<sup>[1]</sup>.

### 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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