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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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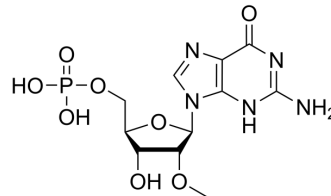
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2'-O-Methylguanosine 5'-monophosphate

Cat. No.:	HY-160693
CAS No.:	24121-01-5
Molecular Formula:	C ₁₁ H ₁₆ N ₅ O ₈ P
Molecular Weight:	377.25
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

2'-O-Methylguanosine 5'-monophosphate is the nucleotide complex group (pGm) of the ribosome and is primarily used for DNA conjugation. Today's antibodies recognize pGm, in descending order of importance, as the parent base, the methylated ribose moiety, and the phosphate group. 2'-O-Methylguanosine 5'-monophosphate can also be used to prepare RNA vaccines as a 5'-terminal nucleotide to block the RNA molecule^{[1][2]}.

REFERENCES

- [1]. Vold BS. Preparation and specificity of antibodies directed toward the ribose methylated nucleotide, et al. Preparation and specificity of antibodies directed toward the ribose methylated nucleotide, 2'-O-methylguanosine 5'-monophosphate. *Biochim Biophys Acta*. 1981 Sep 28;655(2):265-7.
- [2]. Urushibara T, et al. A modified structure at the 5'-terminus of mRNA of vaccinia virus. *FEBS Lett*. 1975 Jan 1;49(3):385-9.

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

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