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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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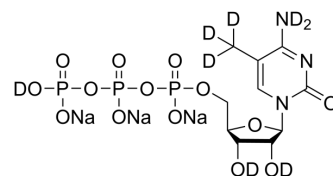
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5-Methylcytidine 5'-triphosphate-d₈ trisodium

Cat. No.:	HY-147338S2
Molecular Formula:	C ₁₀ H ₇ D ₈ N ₃ Na ₃ O ₁₄ P ₃
Molecular Weight:	571.18
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

5-Methylcytidine 5'-triphosphate-d₈ trisodium is the deuterium-labeled form of 5-Methylcytidine 5'-triphosphate trisodium (HY-147338A). 5-Methylcytidine 5'-triphosphate (5-Methyl-CTP) trisodium is a modified nucleoside triphosphate. 5-Methylcytidine 5'-triphosphate trisodium can be used to replace unmodified mRNA, resulting in the increase of translational properties and stability, as well as the reduction of innate immune responses in human and other mammalian cells^[1].

REFERENCES

- [1]. Shanmugasundaram M, et al. An Efficient Protection-Free One-Pot Chemical Synthesis of Modified Nucleoside-5'-Triphosphates. Nucleosides Nucleotides Nucleic Acids. 2016 Jul 2;35(7):356-62.
- [2]. Shanmugasundaram M, et al. An Efficient Protection-Free One-Pot Chemical Synthesis of Modified Nucleoside-5'-Triphosphates. Nucleosides Nucleotides Nucleic Acids. 2016 Jul 2;35(7):356-62.

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

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