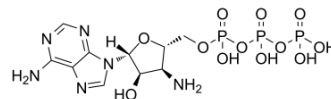


3'-Deoxy-3'-amino-ATP

Cat. No.:	HY-131800
CAS No.:	4209-30-7
Molecular Formula:	C ₁₀ H ₁₇ N ₆ O ₁₂ P ₃
Molecular Weight:	506.2
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	3'-Deoxy-3'-amino-ATP, an ATP analogue, is a potent and competitive inhibitor of ATP, with a K _i of 2.3 μM. 3'-Deoxy-3'-amino-ATP can be used to synthesis of 3'-Amino-3'-deoxy transfer RNA by incorporation into the 3' terminus of tRNA-C-C ^[1] [2].
In Vitro	3'-Deoxy-3'-amino-ATP can be used as a substrate to synthesis of 3'-Amino-3'-deoxy transfer RNA ^[2] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Armstrong VW, et, al. Interaction of substrate analogues with Escherichia coli DNA-dependent RNA polymerase. Eur J Biochem. 1976 Nov 1;70(1):33-8.
- [2]. Fraser TH, et, al. Synthesis and aminoacylation of 3'-amino-3'-deoxy transfer RNA and its activity in ribosomal protein synthesis. Proc Natl Acad Sci U S A. 1973 Sep;70(9):2671-5.

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

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