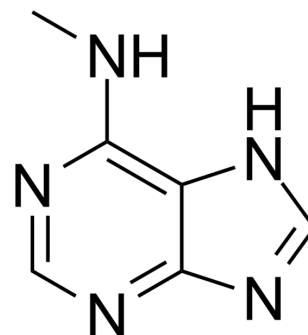


## N6-Methyladenine

<b>Cat. No.:</b>	HY-116887
<b>CAS No.:</b>	443-72-1
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>7</sub> N <sub>5</sub>
<b>Molecular Weight:</b>	149.15
<b>Target:</b>	Endogenous Metabolite; Nucleoside Antimetabolite/Analog; DNA/RNA Synthesis
<b>Pathway:</b>	Metabolic Enzyme/Protease; Cell Cycle/DNA Damage
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	N6-Methyladenine is a modified purine that is widely present in prokaryotes. In prokaryotes, N6-Methyladenine plays an important role in distinguishing host DNA from exogenous DNA and controls many biological functions, such as DNA replication, transcription, mismatch repair, and chromosome replication <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	Human Endogenous Metabolite	Human Endogenous Metabolite

### REFERENCES

[1]. Hao Li, et al. DNA N6-Methyladenine Modification in Eukaryotic Genome. Front Genet. 2022 Jun 24;13:914404.

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

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