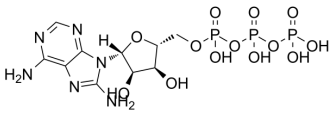
8-NH2-ATP

Cat. No.:	HY-134313
CAS No.:	35874-49-8
Molecular Formula:	$C_{10}H_{17}N_6O_{13}P_3$
Molecular Weight:	522.2
Target:	DNA/RNA Synthesis; Endogenous Metabolite
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	8-NH2-ATP, an inactive form of ATP, is produced by 8-NH2-Ado. 8-NH2-Ado is reported to be potent as shown by induction of apoptosis-related cleavage of poly (ADP-ribose) polymerase[1][2].
In Vitro	The extensive cellular accumulation of 8-NH2-ATP has an inhibitory effect on both RNA and DNA synthesis in both glucocorticoid-sensitive and glucocorticoid-resistant myeloma cell lines[1][2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Nancy L Krett, et al. 8-amino-adenosine is a potential therapeutic agent for multiple myeloma. Mol Cancer Ther. 2004 Nov;3(11):1411-20.

[2]. Yuji Matsuzaki, et al. ATP-association to intrabacterial nanotransportation system in Vibrio cholera. Med Mol Morphol. 2015 Dec;48(4):225-34.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA