



LKT Laboratories, Inc.

## Adenine

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lctlabs.com](mailto:getinfo@lctlabs.com)  
Web: [lctlabs.com](http://lctlabs.com)

### Product Information

**Product ID** A1318  
**CAS No.** 73-24-5  
**Chemical Name** 1H-Purin-6-amine

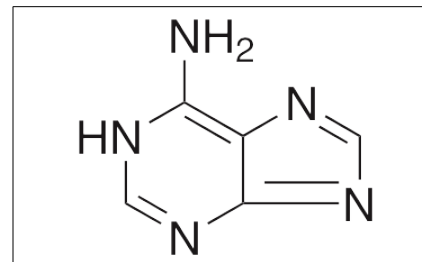
**Synonym** 1,6-Dihydro-6-iminopurine, Leuco-4, Vitamin B4

**Formula** C<sub>5</sub>H<sub>5</sub>N<sub>5</sub>  
**Formula Wt.** 135.13  
**Melting Point** 360-365°C(dec.)  
**Purity** ≥98%

**Solubility** Slightly soluble in alcohol or water. Insoluble in ether or chloroform.

**Store Temp** Ambient  
**Ship Temp** Ambient

**Description** Adenine is a purine nucleotide base that is involved in the synthesis of RNA and DNA. Adenine also plays roles in cellular respiration as a component of ATP, NAD, and FAD.



**Bulk quantities available upon request**

Product ID	Size
A1318	5 g
A1318	10 g
A1318	25 g
A1318	100 g

**References** Nakamura M, Bhatnagar A, Sadoshima J. Overview of pyridine nucleotides review series. *Circ Res.* 2012 Aug 17;111(5):604-10. PMID: 22904040.

Klingenberg M. Molecular aspects of the adenine nucleotide carrier from mitochondria. *Arch Biochem Biophys.* 1989 Apr;270(1):1-14. PMID: 2648994.

Bloch A. The structure of nucleosides in relation to their biological and and biochemical activity: a summary. *Ann N Y Acad Sci.* 1975 Aug 8;255:576-96. PMID: 53023.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.