



Specialized in chemicals

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center,
Qianshan Rd. Hefei 230022 China

Tel : (0086) 551 65418678

Fax: (0086) 551 65418697

Email: info@tnjchem.com

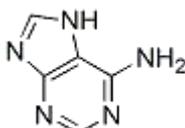
Site: www.tnjchem.com

Technical Data Sheet

Adenine

Chemical Name	Adenine
CAS #	73-24-5
EINECS	200-796-1
Formula	C ₅ H ₅ N ₅
Molecular Weight	135.13
Synonyms	1,6-dihydro-6-imino-9h-purin;

Chemical Structure



Description

White powder crystal, with a strong taste. Difficult to dissolve in cold water, soluble in boiling water, acid and alkali, slightly soluble in ethanol, insoluble in ether and chloroform.

Specification

Items	Specification	Testing Results
Appearance	Slight yellow to slight white crystalline powder	Slight white crystalline powder
Identification	Complies	Complies
Loss on drying	≤1.0%	0.21%
Residue on ignition	≤0.1%	0.02%
Heavy metals	≤0.001%	<0.001%
N assay	50.2%~53.4%	52.54%

Organic impurities	Complies	Complies
Organic volatile impurities	Complies	Complies
Assay(HPLC,on dried basis)	98.0%~102.0%	99.43%

Applications

Used for the production of adenosine, ATP, ADP, anti AIDS drugs and vitamin B4 and plant growth hormone 6- benzyl adenine, etc.

Packing

25kg per fiber drum

Storage

Keep container closed when not in use. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.

Hefei TNJ Chemical Industry Co.,Ltd.

B911 Xincheng Business Center
Qianshan Road, Hefei
230022 Anhui
China

Tel : (0086) 551 5418695
Fax: (0086) 551 5418697
Email: info@tnjchem.com
Site: www.tnjchem.com

