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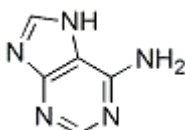
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Technical Data Sheet

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.

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