

Certificate of Analysis

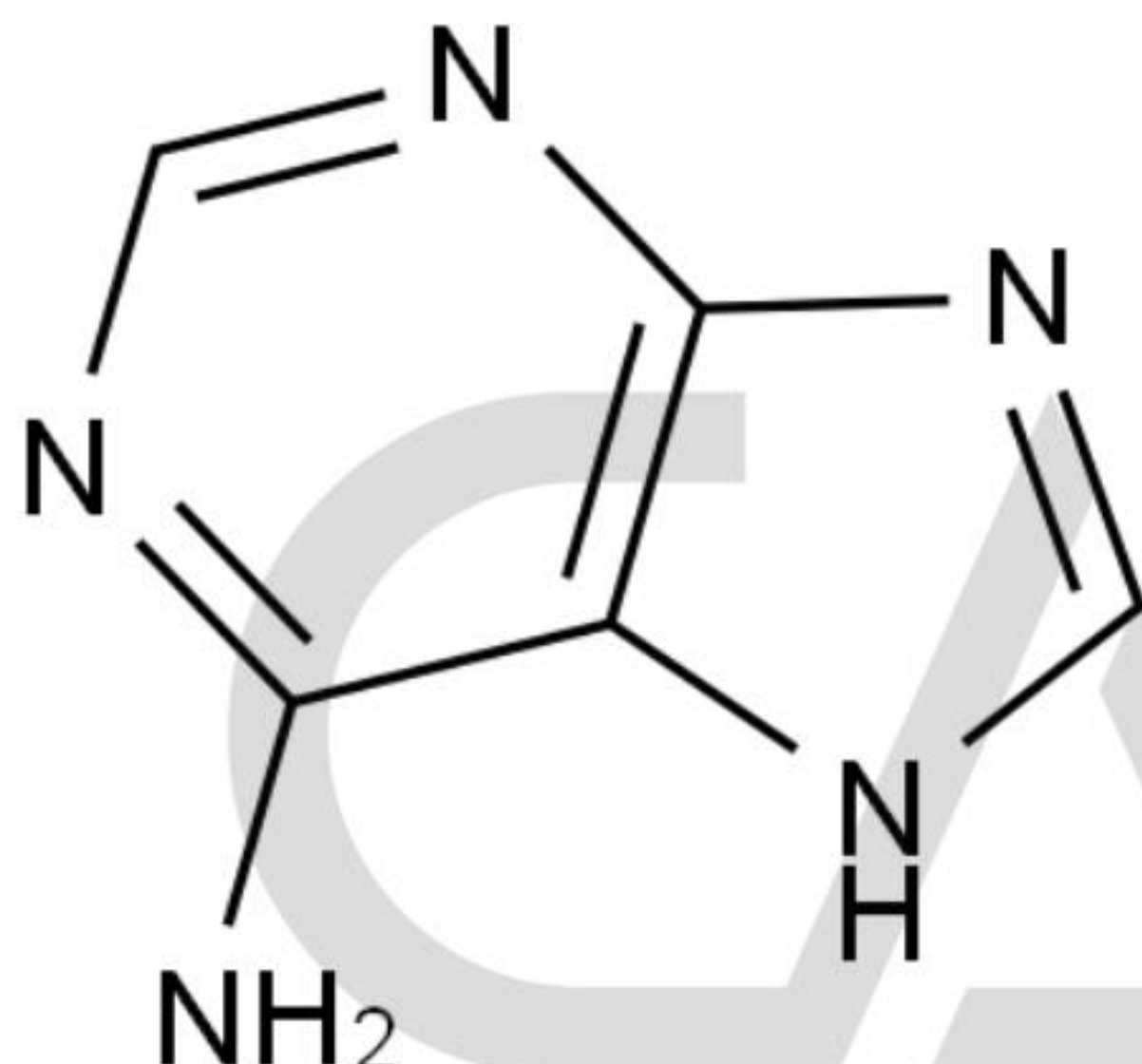
Reference Material & Standard

Product Name:	Mercaptopurine Monohydrate EP Impurity B	Catalogue Number:	C4X-107687
Synonyms:	Adenine	Lot Number:	1120-RE-0110
CAS Number:	73-24-5	Expiry Date:	Dec 15, 2029
Molecular Formula:	C ₅ H ₅ N ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	135.13	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	0.1724%
Assay		99.8%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 17, 2025

Date: Dec 17, 2025

Date: Dec 17, 2025



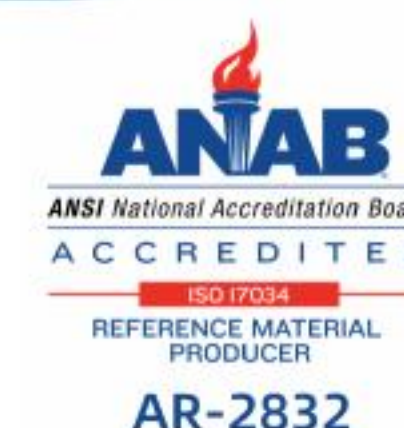
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 9



Official
WeChat