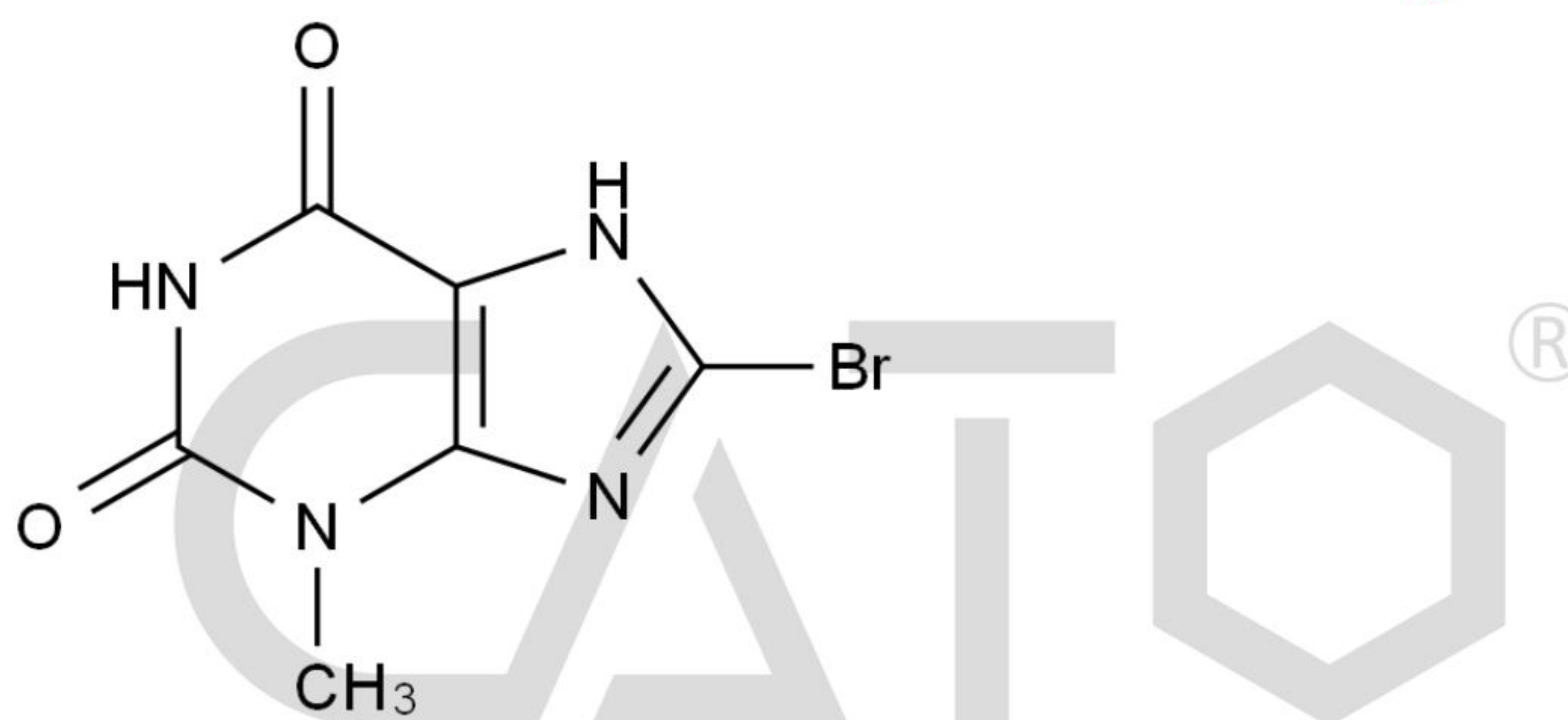


Certificate of Analysis

Reference Material & Standard

Product Name:	Linagliptin Impurity 28	Catalogue Number:	C4X-110128
Synonyms:	N/A	Lot Number:	0615-RH-0051
CAS Number:	93703-24-3	Expiry Date:	Jun 21, 2030
Molecular Formula:	C ₆ H ₅ BrN ₄ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	245.03	Shipping Condition:	Shipping at Room Temperature
Solubility:	DMSO	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	4.1800%
Assay		95.8%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 22, 2026

Date: Jun 22, 2026

Date: Jun 22, 2026



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