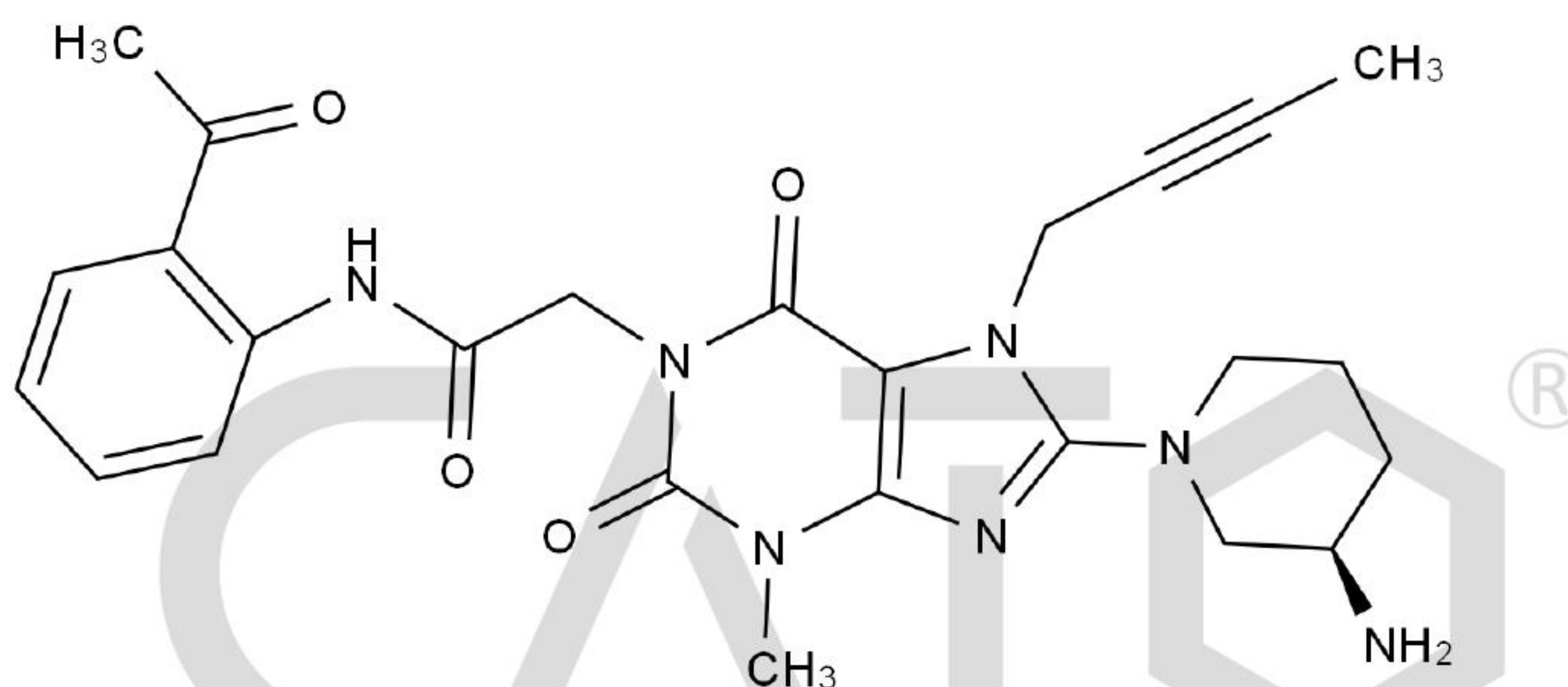


Certificate of Analysis

Reference Material & Standard

Product Name:	Linagliptin Impurity 57	Catalogue Number:	C4X-110157
Synonyms:	N/A	Lot Number:	0817-RH-0140
CAS Number:	2416949-69-2	Expiry Date:	Aug 18, 2030
Molecular Formula:	C ₂₅ H ₂₉ N ₇ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	491.54	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.8%
Assay	qNMR	90.8%

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Aug 19, 2026

Date: Aug 19, 2026

Date: Aug 19, 2026



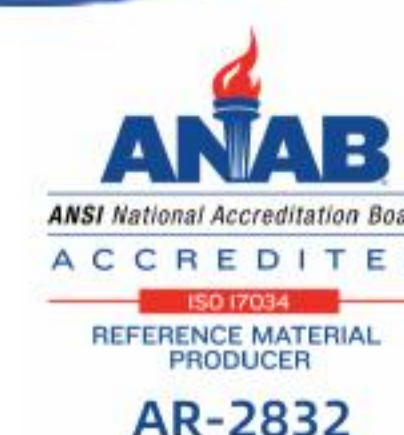
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