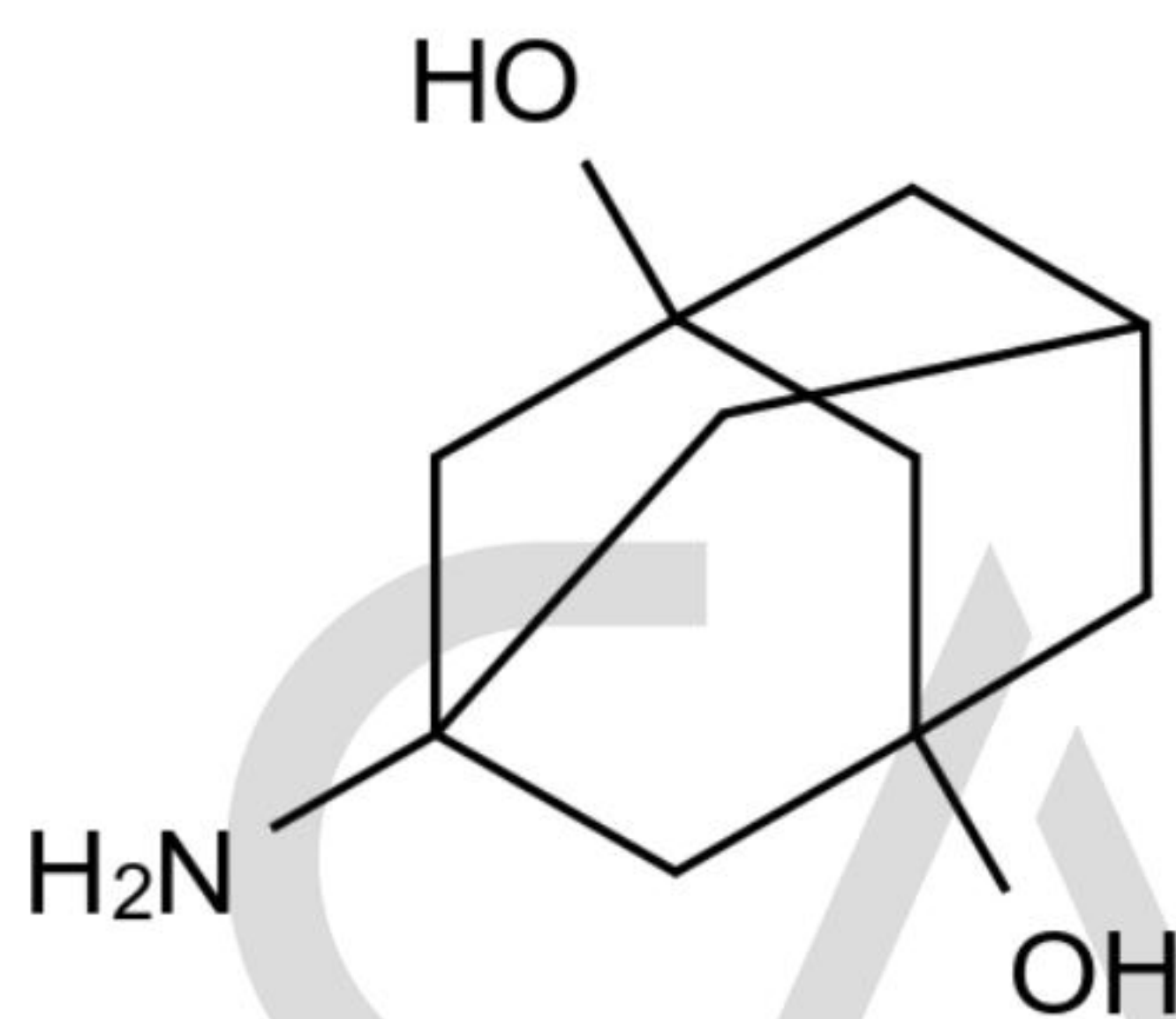


Certificate of Analysis

Reference Material & Standard

Product Name:	Vildagliptin Impurity 74	Catalogue Number:	C4X-110074
Synonyms:	N/A	Lot Number:	1121-RG-0094
CAS Number:	1382839-19-1	Expiry Date:	Nov 16, 2029
Molecular Formula:	C ₁₀ H ₁₇ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	183.25	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	GC	99.11058%
Water Content	Karl Fischer	4.82%
Residual Solvents	NMR	Not detected in NMR
Assay		94.3%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity GC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Nov 24, 2025

Date: Nov 24, 2025

Date: Nov 24, 2025



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