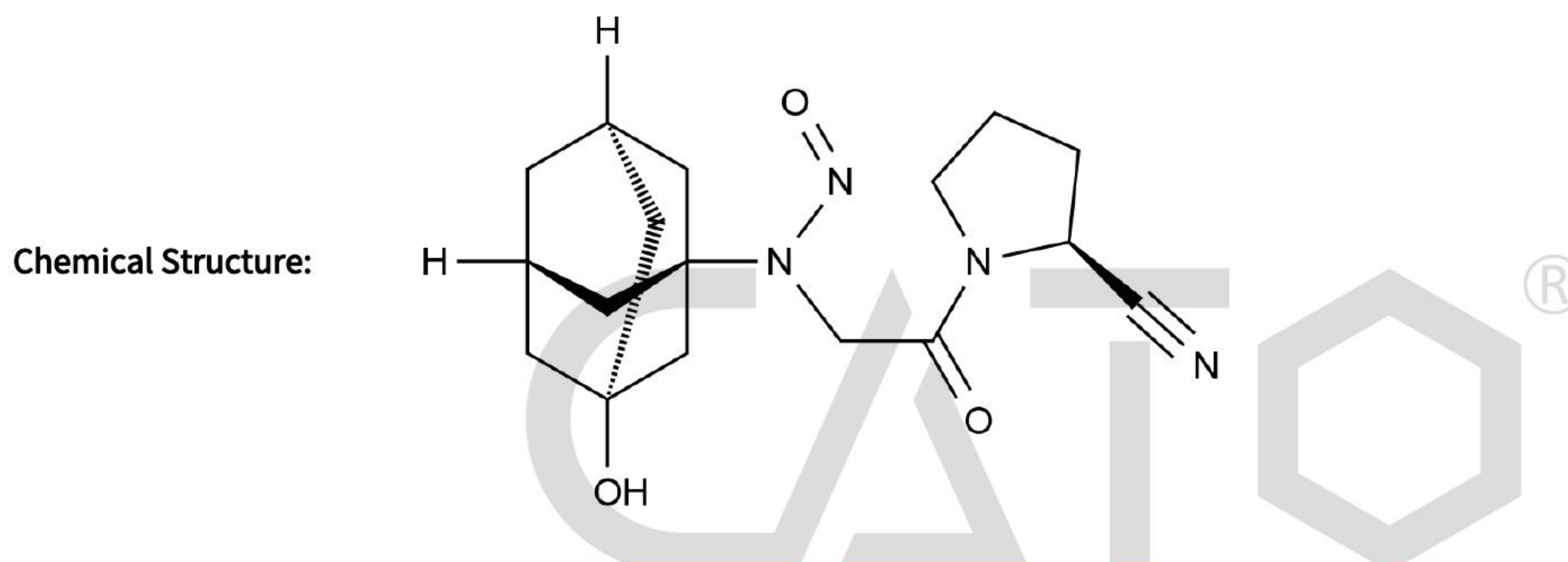


Certificate of Analysis

Reference Material & Standard

Product Name:	Vildagliptin Impurity 77	Catalogue Number:	C4X-110077
Synonyms:	N-Nitroso vildagliptin	Lot Number:	1009-RG-0014
CAS Number:	N/A	Expiry Date:	Oct 10, 2029
Molecular Formula:	C ₁₇ H ₂₄ N ₄ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	332.40		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.477%
Loss On Drying	TGA	0.5405%
Assay		98.9%

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: Oct 11, 2025

Date: Oct 11, 2025

Date: Oct 11, 2025



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