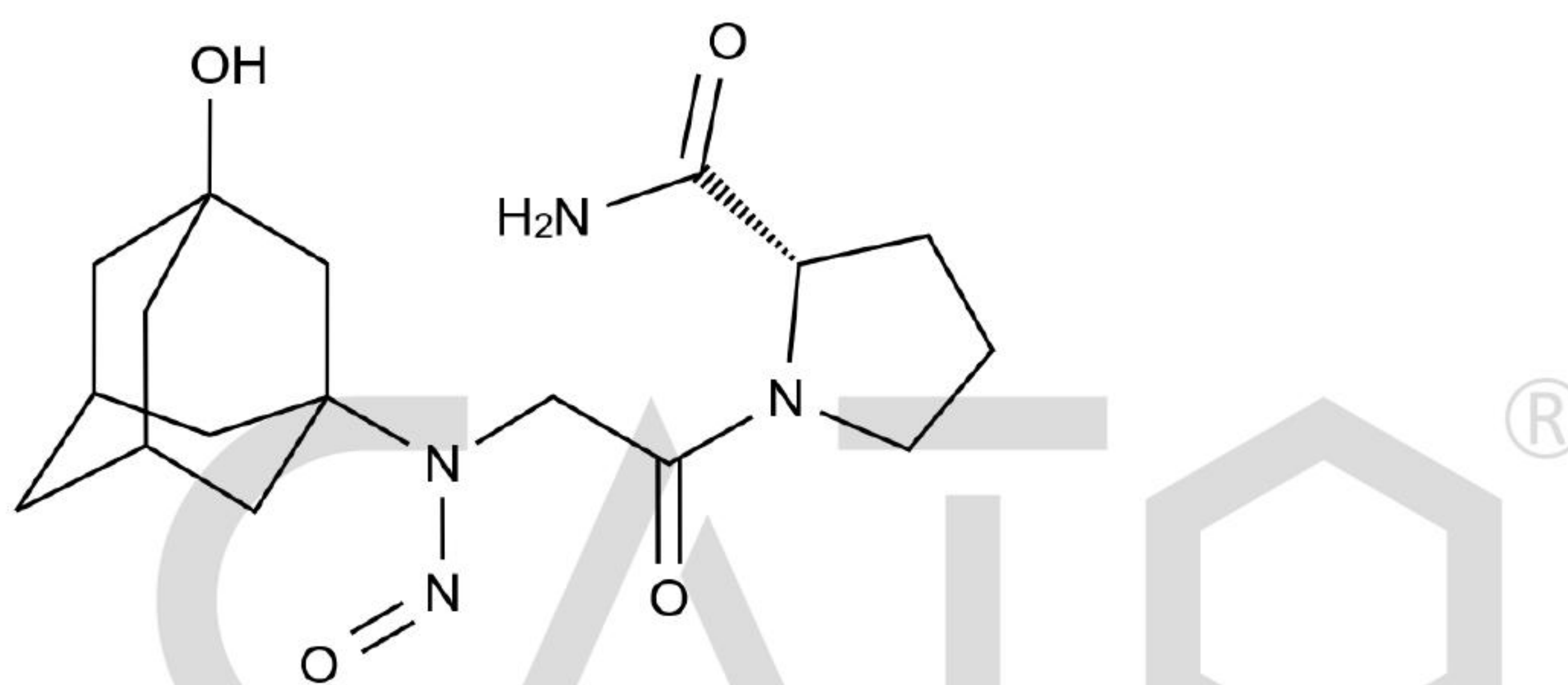


Certificate of Analysis

Reference Material & Standard

Product Name:	N-Nitroso Vildagliptin Impurity 82(S-Isomer)	Catalogue Number:	C4X-110082
Synonyms:	N/A	Lot Number:	0304-RG-0092
CAS Number:	N/A	Expiry Date:	Mar 09, 2028
Molecular Formula:	C17H26N4O4	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	350.41		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	95.172%
Loss On Drying	TGA	2.9467%
Assay		92.4%

Comment:

The calculation of the 100% 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: Jun 16, 2025

Date: Jun 16, 2025

Date: Jun 16, 2025

