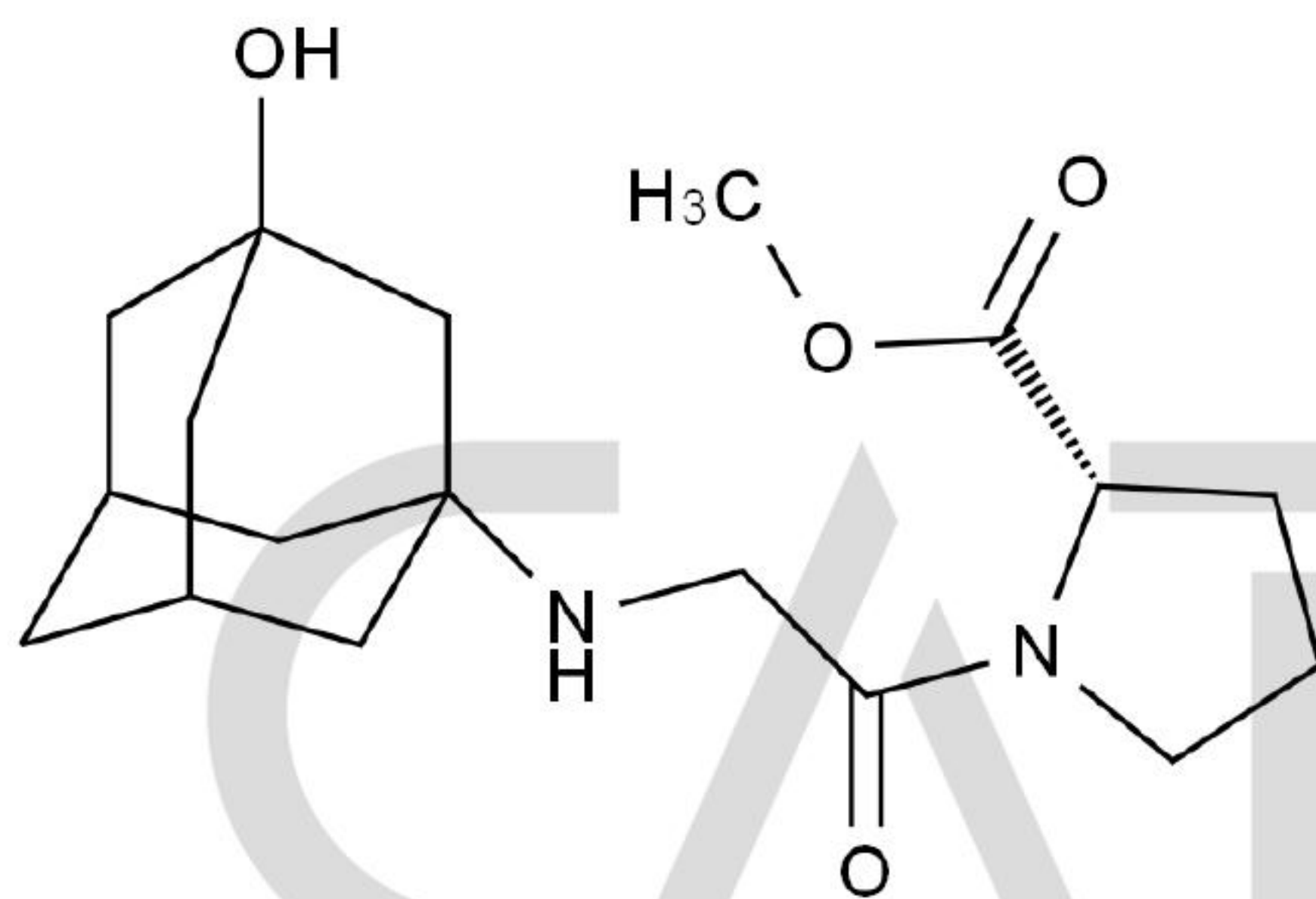


Certificate of Analysis

Reference Material & Standard

Product Name:	Vildagliptin impurity 14	Catalogue Number:	C4X-110014
Synonyms:	N/A	Lot Number:	0807-RG-0069
CAS Number:	948574-56-9	Expiry Date:	Aug 11, 2029
Molecular Formula:	C ₁₈ H ₂₈ N ₂ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	336.43	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.352%
Loss On Drying	TGA	0.3231%
Assay		99.0%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Aug 12, 2025

Date: Aug 12, 2025

Date: Aug 12, 2025

