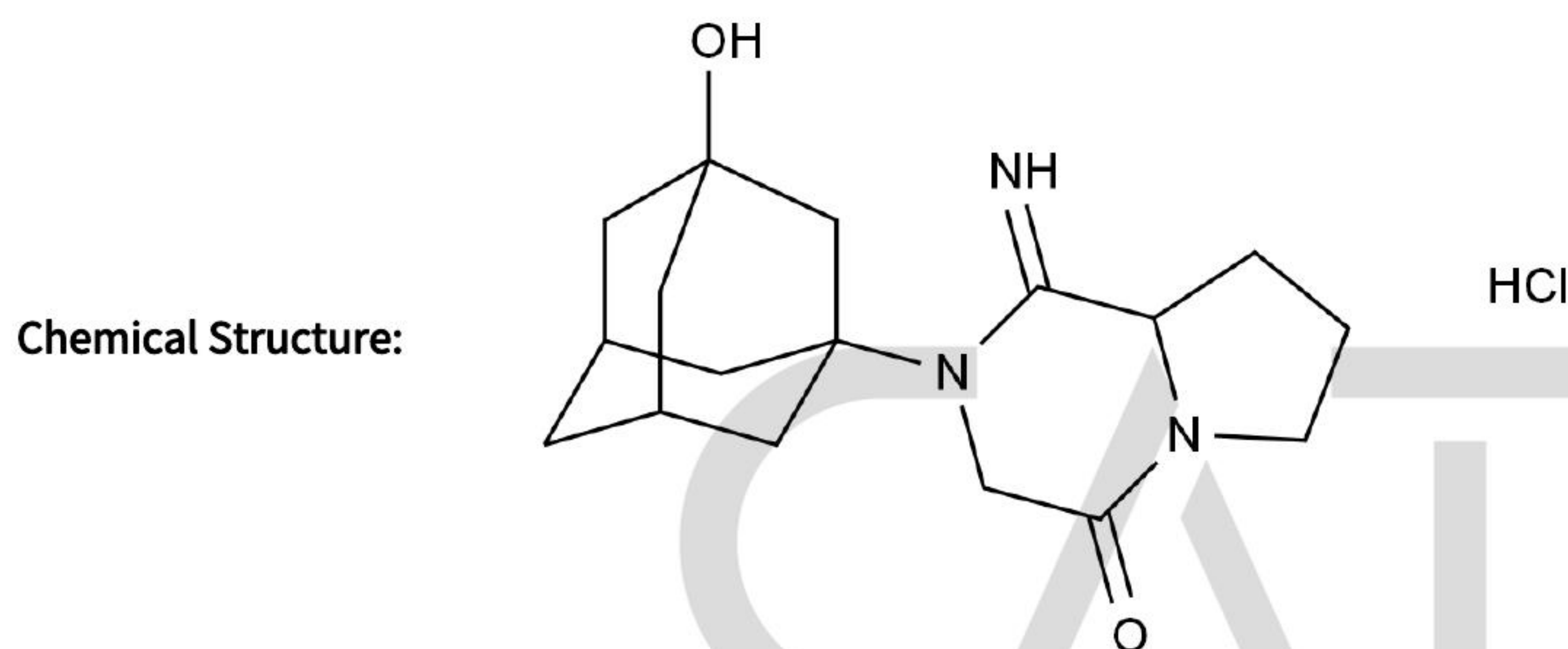


Certificate of Analysis

Reference Material & Standard

Product Name:	Vildagliptin Impurity 5	Catalogue Number:	C4X-11005
Synonyms:	N/A	Lot Number:	0705-RF-0076
CAS Number:	1789703-37-2(free base)	Expiry Date:	Aug 09, 2030
Molecular Formula:	C ₁₇ H ₂₅ N ₃ O ₂ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	303.40 36.46	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	96.06%
Loss on Drying	TGA	0.8287%
Assay		95.3%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 10, 2026

Date: Aug 10, 2026

Date: Aug 10, 2026



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