

Certificate of Analysis

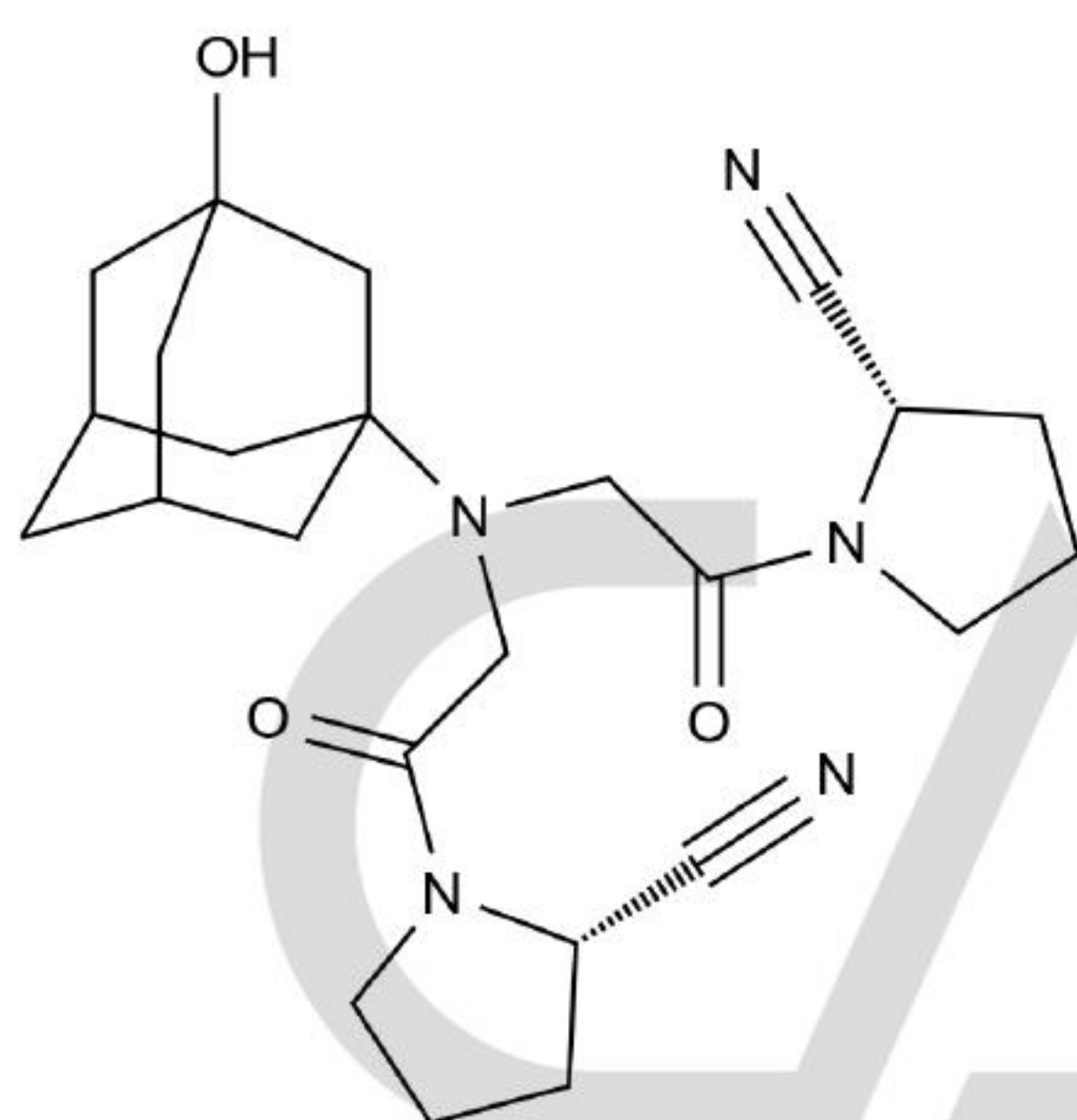
Reference Material & Standard

Product Name:	Vildagliptin Impurity 2	Catalogue Number:	C4X-11002
Synonyms:	N/A	Lot Number:	1212-RF-0009
CAS Number:	1036959-23-5	Expiry Date:	Jan 05, 2030
Molecular Formula:	C ₂₄ H ₃₃ N ₅ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	439.55	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	97.379%
Residue on Ignition	TGA	0.6978%
Loss On Drying	TGA	0.1047%
Assay		96.6%

Comment:

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

Assay (%) = (100% - Residue on Ignition - Loss On Drying) * Purity HPLC (%) / 100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jan 06, 2026

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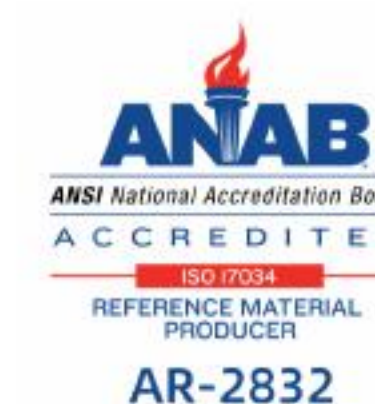
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