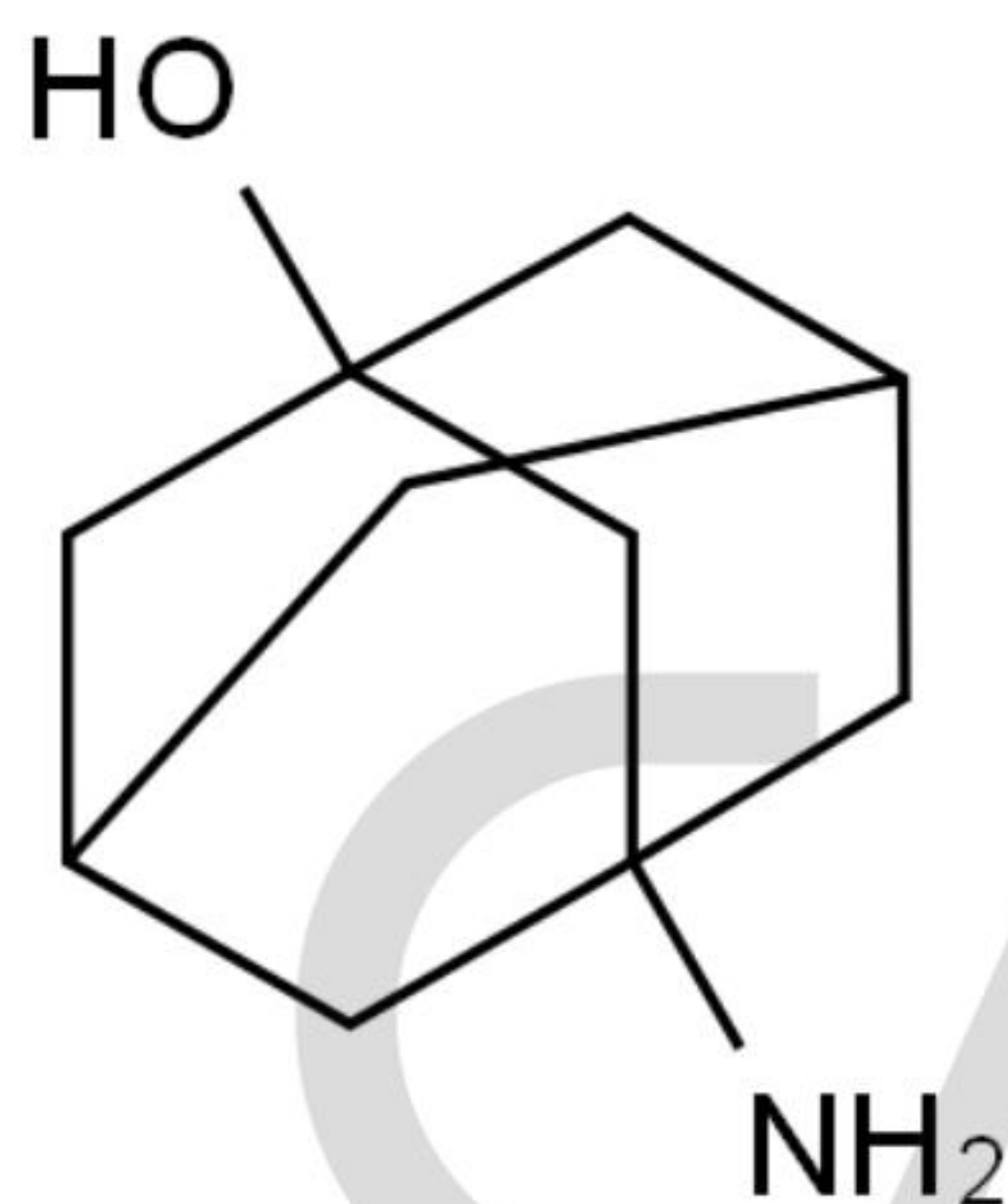


Certificate of Analysis

Reference Material & Standard

Product Name:	Vildagliptin Impurity 25	Catalogue Number:	C4X-110025
Synonyms:	N/A	Lot Number:	0705-RE-0036
CAS Number:	702-82-9	Expiry Date:	Jul 04, 2026
Molecular Formula:	C ₁₀ H ₁₇ NO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	167.25	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	GCMS&IR&UV&HNMR	Confirmed
Purity	GC	95.252%
Water Content	Karl Fischer	6.8292%
Assay		88.7%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jun 05, 2024

Date: Jun 06, 2024

Date: Jun 06, 2024

