

Certificate of Analysis

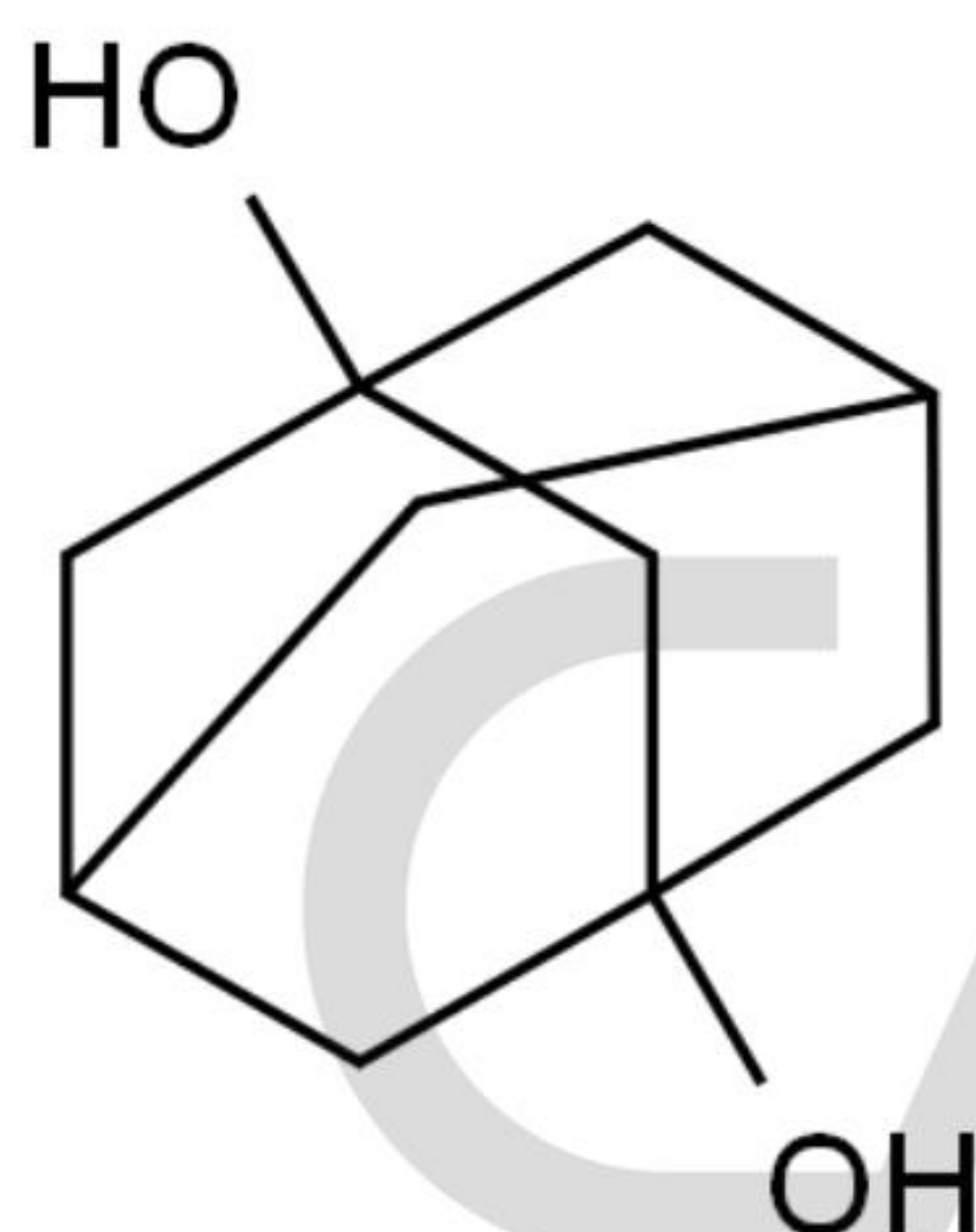
Reference Material & Standard

Product Name:	Vildagliptin Impurity 18	Catalogue Number:	C4X-110018
Synonyms:	N/A	Lot Number:	0505-RE-0038
CAS Number:	5001-18-3	Expiry Date:	Feb 01, 2030
Molecular Formula:	C ₁₀ H ₁₆ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	168.23	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	GC	97.981%
Loss On Drying	TGA	0.0064%
Assay		98.0%

Comment:

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

Assay (%) = (100% - Loss On Drying) * Purity GC (%) / 100%

Loss On Drying is considered as absolute effect, GC purity is considered as relative effect.

Signature:

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Date: Feb 02, 2026

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