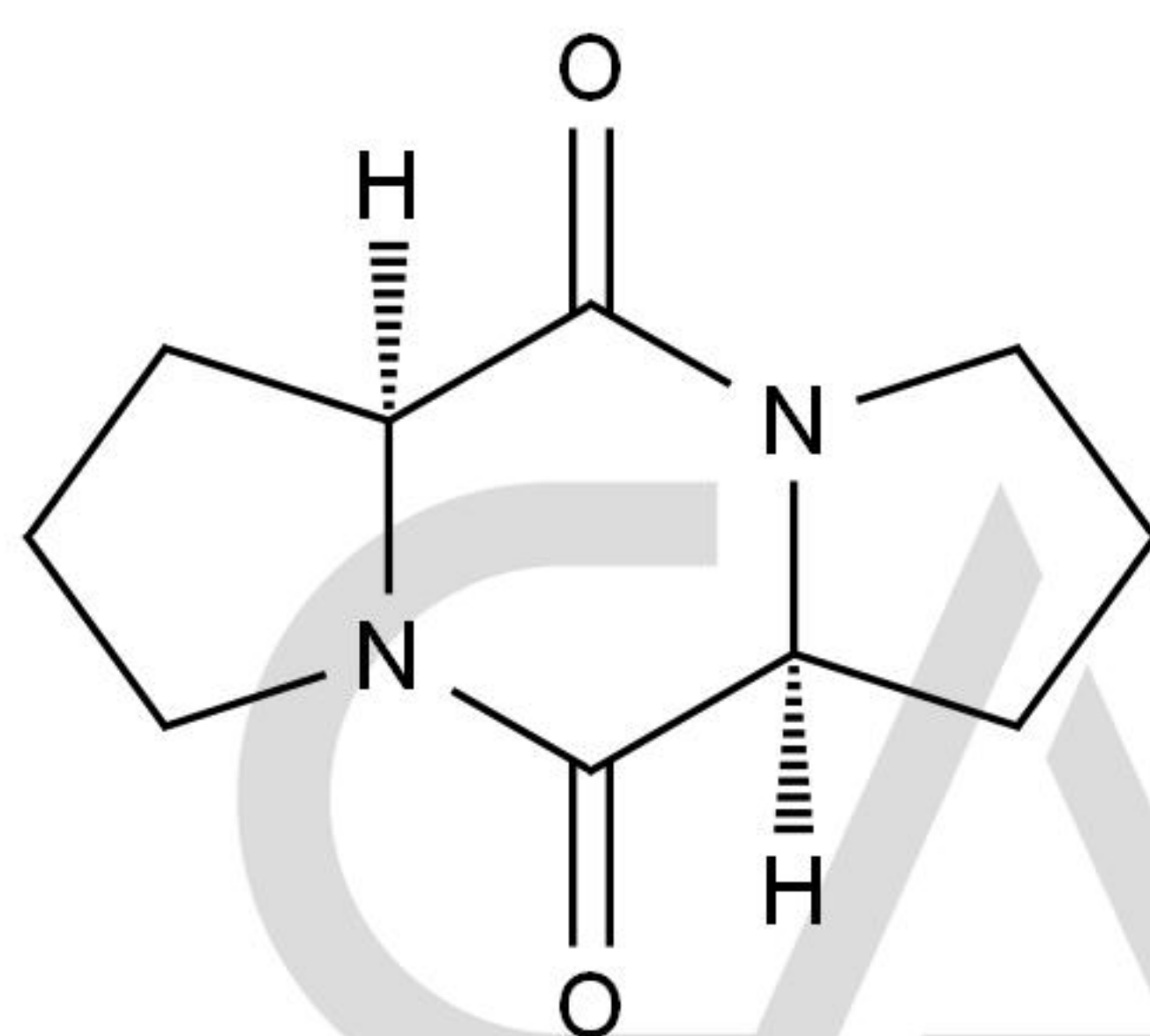


Certificate of Analysis

Reference Material & Standard

Product Name:	Vildagliptin Impurity 40	Catalogue Number:	C4X-110040
Synonyms:	N/A	Lot Number:	0509-RH-0019
CAS Number:	19943-27-2	Expiry Date:	May 11, 2030
Molecular Formula:	C ₁₀ H ₁₄ N ₂ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	194.23	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.245%
Loss on Drying	TGA	0.1733%
Assay		96.1%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$

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: May 12, 2026

Date: May 12, 2026

Date: May 12, 2026



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