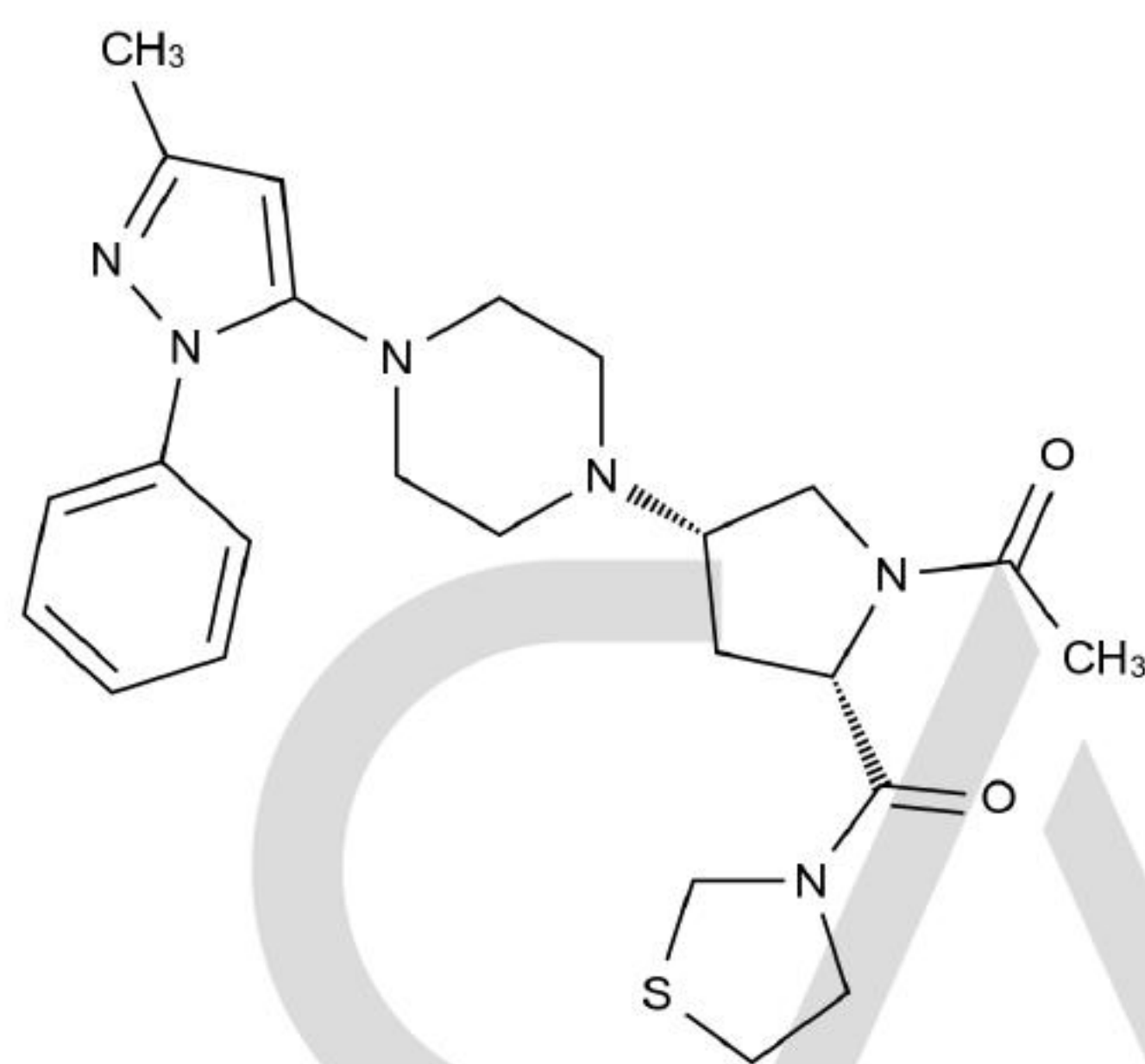


Certificate of Analysis

Reference Material & Standard

Product Name:	Teneligliptin Impurity 53	Catalogue Number:	C4X-176053
Synonyms:	N/A	Lot Number:	1113-RG-0079
CAS Number:	1572583-27-7	Expiry Date:	Nov 17, 2029
Molecular Formula:	C ₂₄ H ₃₂ N ₆ O ₂ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	468.61	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	2.3050%
Assay		97.7%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Nov 18, 2025

Date: Nov 18, 2025

Date: Nov 18, 2025



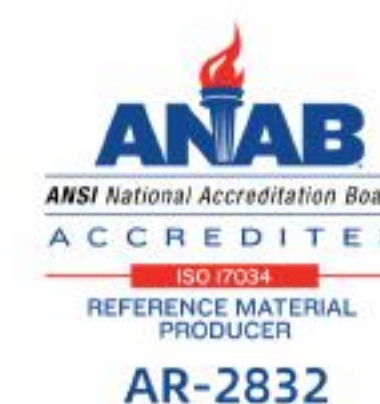
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



Official WeChat