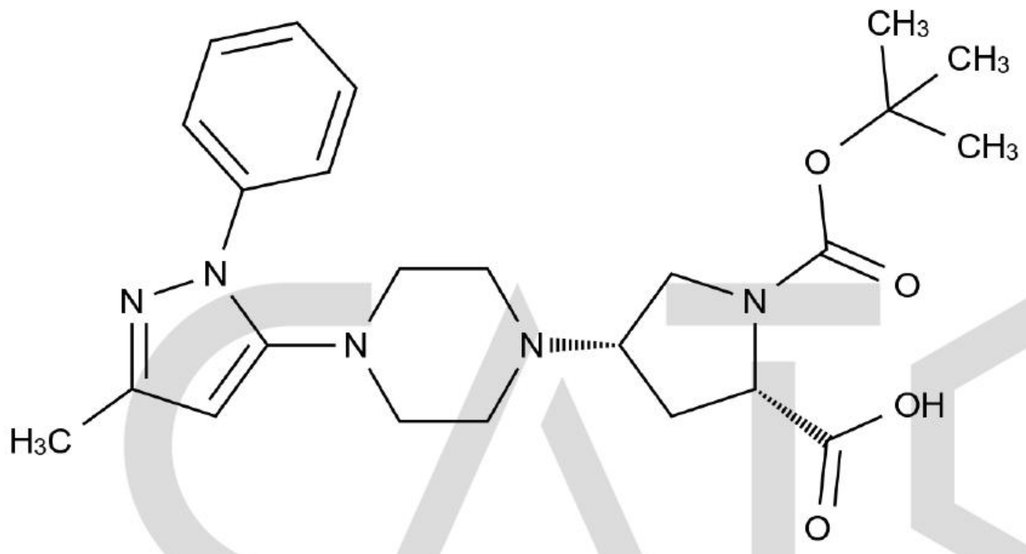
Certificate of Analysis

Reference Material & Standard

Product Name:	Teneligliptin impurity 37	**Catalogue Number:**	C4X-176037
Synonyms:	N/A	**Lot Number:**	0924-RH-0052
CAS Number:	1821705-03-6	**Expiry Date:**	Sep 29, 2030
Molecular Formula:	$C_{24}H_{33}N_5O_4$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	455.55	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.105%
Loss on Drying	TGA	2.8190%
Assay	Mass Balance	95.3%

CATO Research Chemicals Inc.

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: Alice — Date: Sep 30, 2026

Reviewed by: Koi — Date: Sep 30, 2026

Approved by General Manager: David — Date: Sep 30, 2026

CATO Research Chemicals Inc.