

Certificate of Analysis

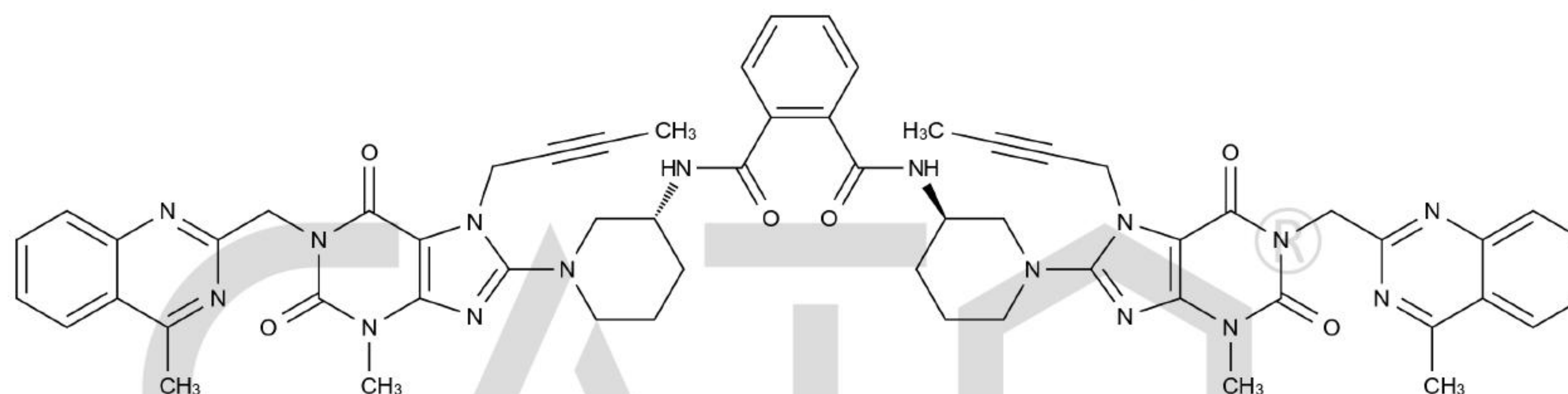
Reference Material & Standard

Product Name:	Linagliptin impurity 115	Catalogue Number:	C4X-1101115
Synonyms:	N/A	Lot Number:	0526-RH-0097
CAS Number:	2074688-82-5	Expiry Date:	May 27, 2030
Molecular Formula:	C ₅₈ H ₅₈ N ₁₆ O ₆	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	1075.18	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.630%
Loss on Drying	TGA	1.4494%
Assay		97.2%

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:

Lisa

Approved by General Manager:

David

Date: Jun 05, 2026

Date: Jun 08, 2026

Date: Jun 08, 2026



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