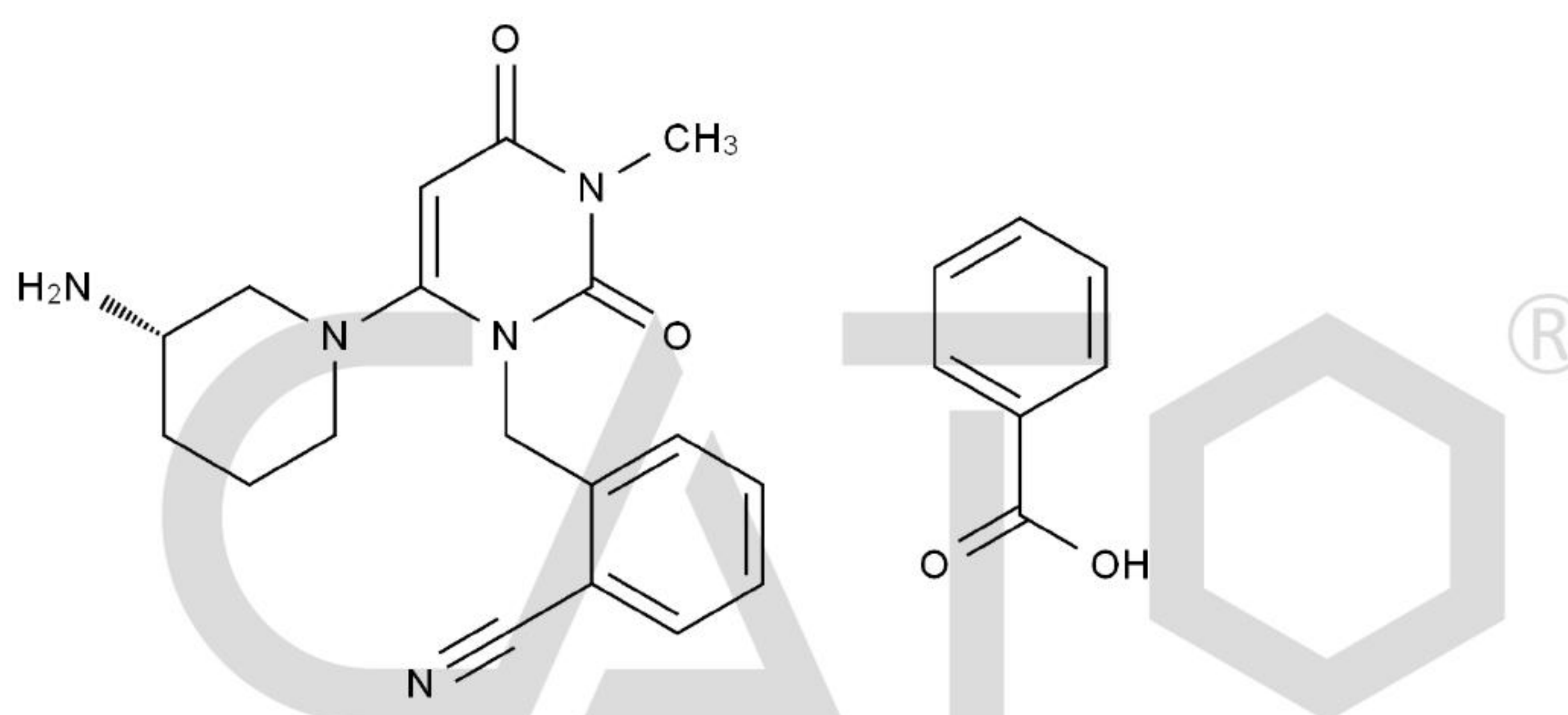


Certificate of Analysis

Reference Material & Standard

Product Name:	Alogliptin Impurity 1	Catalogue Number:	C4X-10991
Synonyms:	N/A	Lot Number:	0317-RH-0065
CAS Number:	1638544-64-5	Expiry Date:	Aug 09, 2030
Molecular Formula:	C ₁₈ H ₂₁ N ₅ O ₂ C ₇ H ₆ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	339.39 122.12	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.266%
Loss on Drying	TGA	0.1036%
Assay		99.2%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Aug 10, 2026

Date: Aug 10, 2026

Date: Aug 10, 2026



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