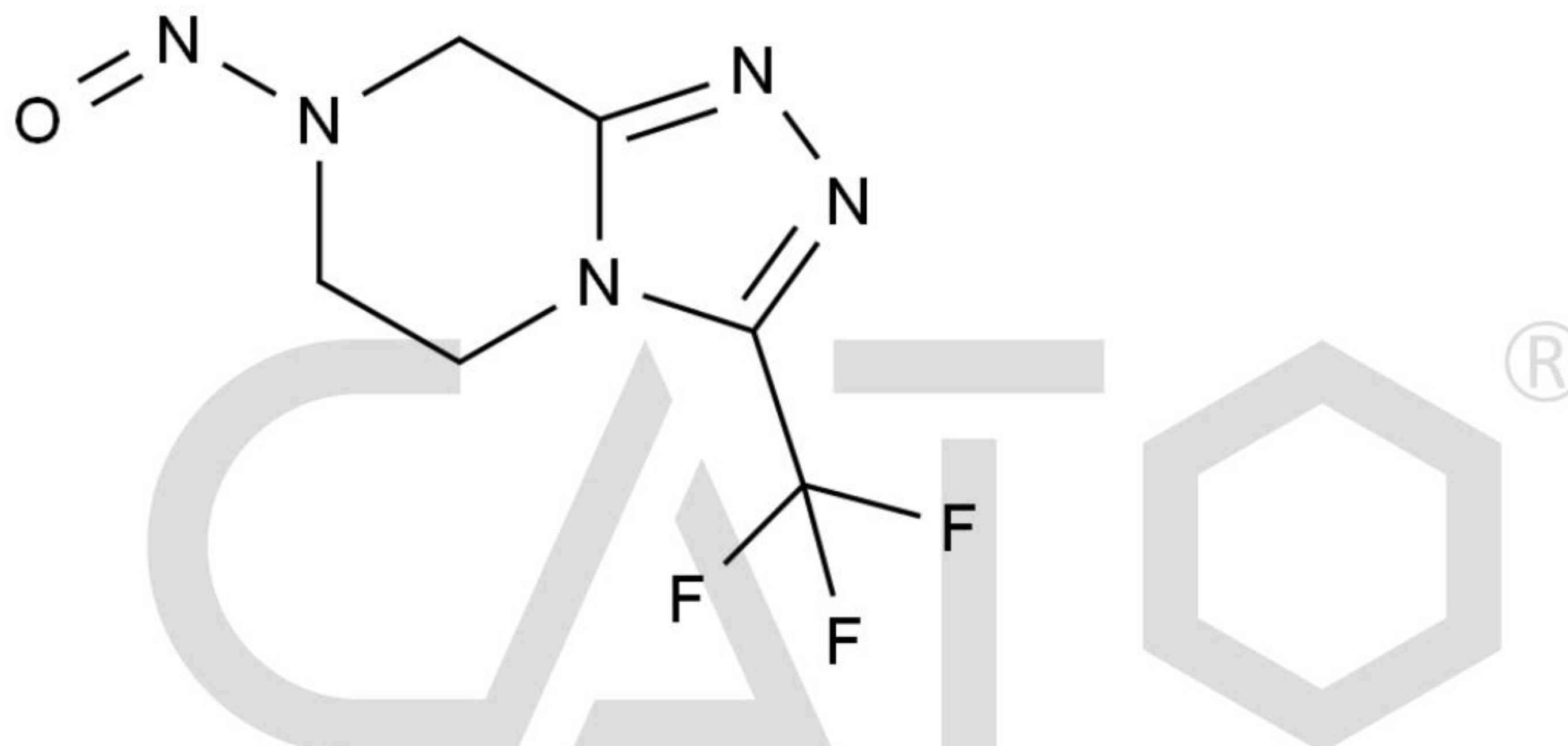


Certificate of Analysis

Reference Material & Standard

Product Name:	Sitagliptin Impurity 78 (Nitroso-STG-19) (NTTP)	Catalogue Number:	C4X-114478
Synonyms:	N/A	Lot Number:	0107-RG-0011
CAS Number:	2892260-32-9	Expiry Date:	Jan 05, 2028
Molecular Formula:	C ₆ H ₆ F ₃ N ₅ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	221.14		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	0.2516%
Loss On Drying	TGA	0.0087%
Assay		99.7%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100%-Residue on Ignition-Loss On Drying) * Purity HPLC (%) /100%

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 13, 2025

Date: May 13, 2025

Date: May 13, 2025

