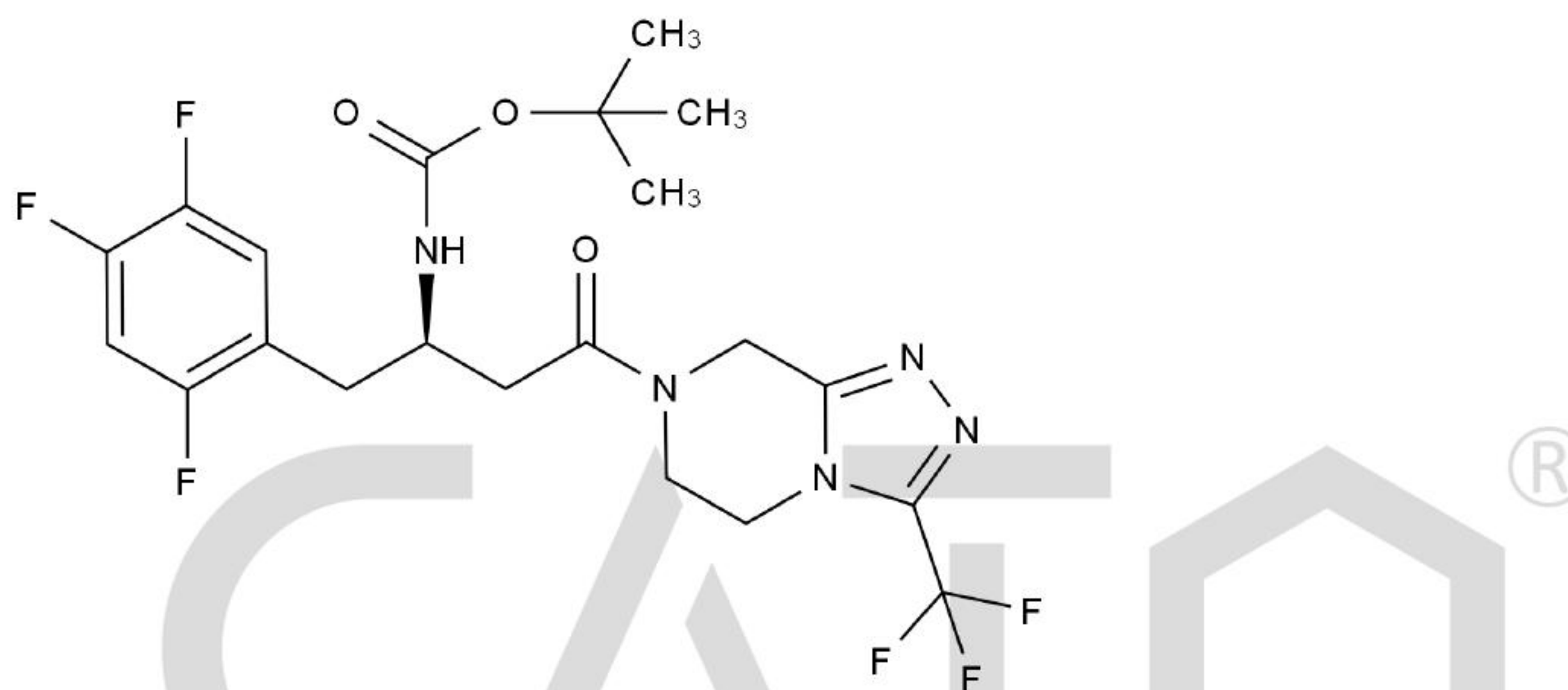


Certificate of Analysis

Reference Material & Standard

Product Name:	Sitagliptin Impurity 22	Catalogue Number:	C4X-114422
Synonyms:	N/A	Lot Number:	0313-RG-0027
CAS Number:	486460-23-5	Expiry Date:	Mar 19, 2028
Molecular Formula:	C ₂₁ H ₂₃ F ₆ N ₅ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	507.43		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.097%
Residue on Ignition	TGA	0.5%
Loss On Drying	TGA	0.0112%
Assay		98.6%

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: Mar 20, 2025

Date: Mar 20, 2025

Date: Mar 20, 2025

