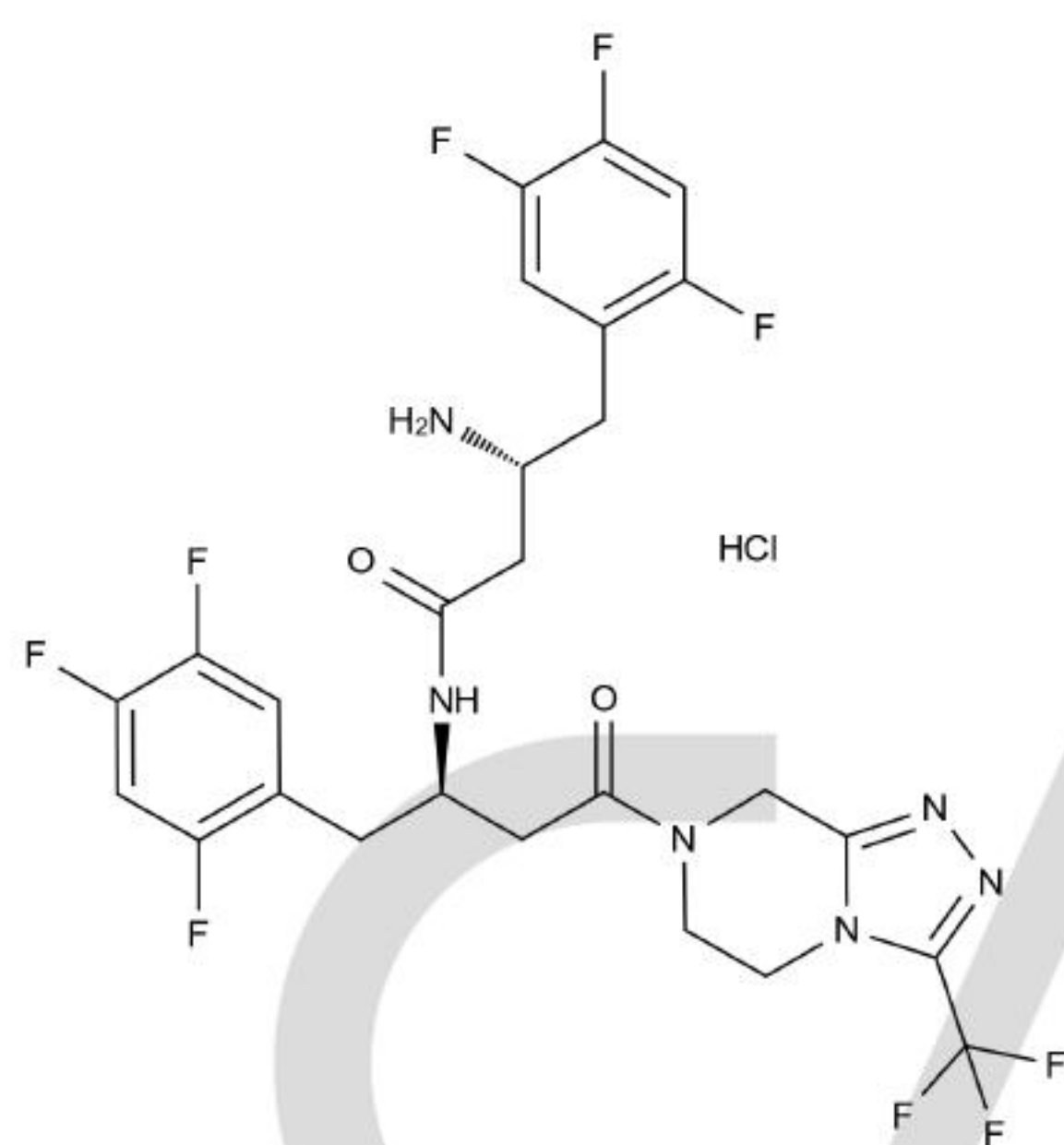


Certificate of Analysis

Reference Material & Standard

Product Name:	Sitagliptin Impurity 14	Catalogue Number:	C4X-114414
Synonyms:	N/A	Lot Number:	1210-RF-0015
CAS Number:	2072867-07-1(free base)	Expiry Date:	Dec 22, 2027
Molecular Formula:	C26H23F9N6O2 HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	622.49 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.981%
Loss On Drying	TGA	2.98%
Assay		95.1%

Comment:

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

$$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin lam

Approved by General Manager:

David

Date: Dec 23, 2024

Date: Dec 24, 2024

Date: Dec 24, 2024

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