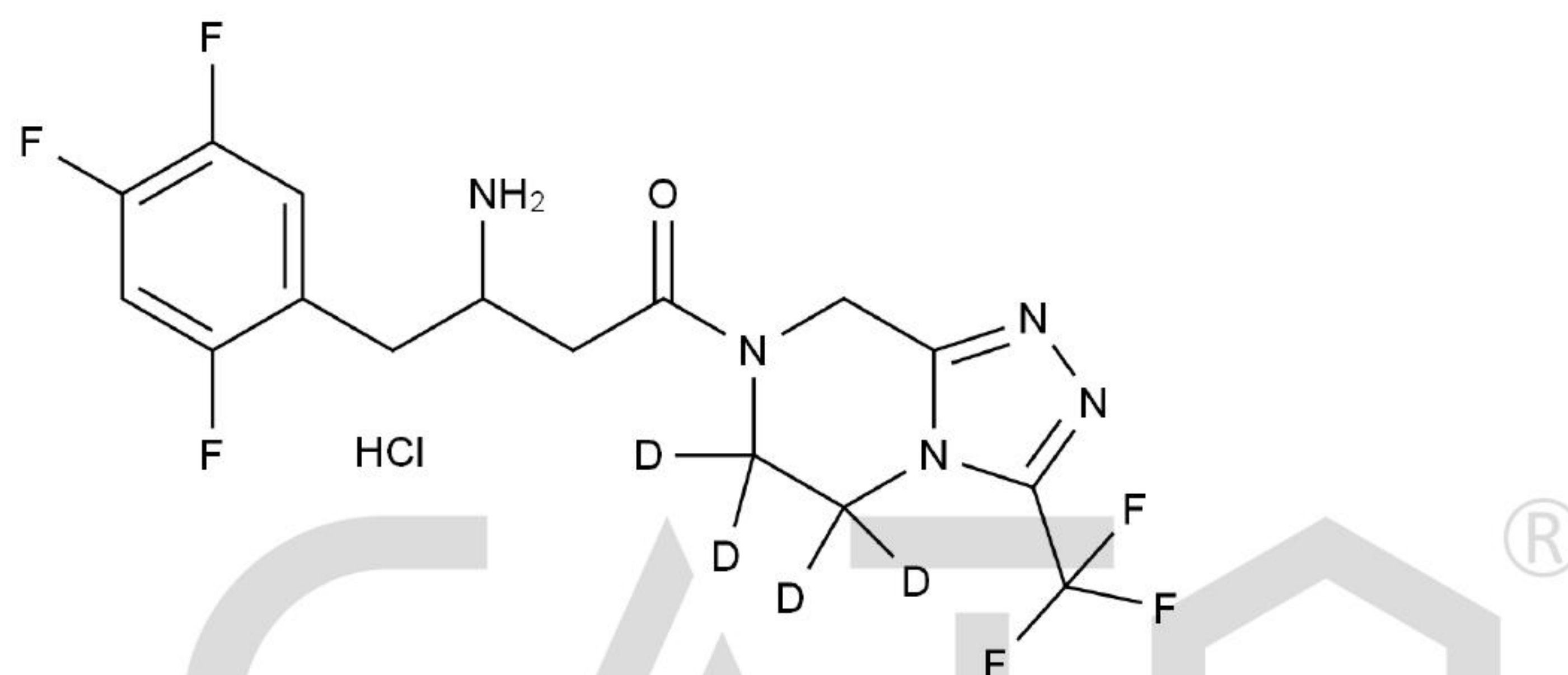


Certificate of Analysis

Reference Material

Product Name:	rac-Sitagliptin-d4 HCl	Catalogue Number:	C4X-114448
Chemical Name:	N/A	Lot Number:	0908-RE-0018
CAS Number:	2749855-96-5	Expiry Date:	Dec 26, 2025
Molecular Formula:	C ₁₆ H ₁₁ D ₄ F ₆ N ₅ O HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	411.34 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.5462%
Isotopic Purity		98.3%
Water Content	Karl Fischer	0.60%
Residual Solvents	NMR	0.1% methanol
Assay		98.8%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Dec 27, 2022

Date: Sep 11, 2023

Date: Sep 11, 2023

