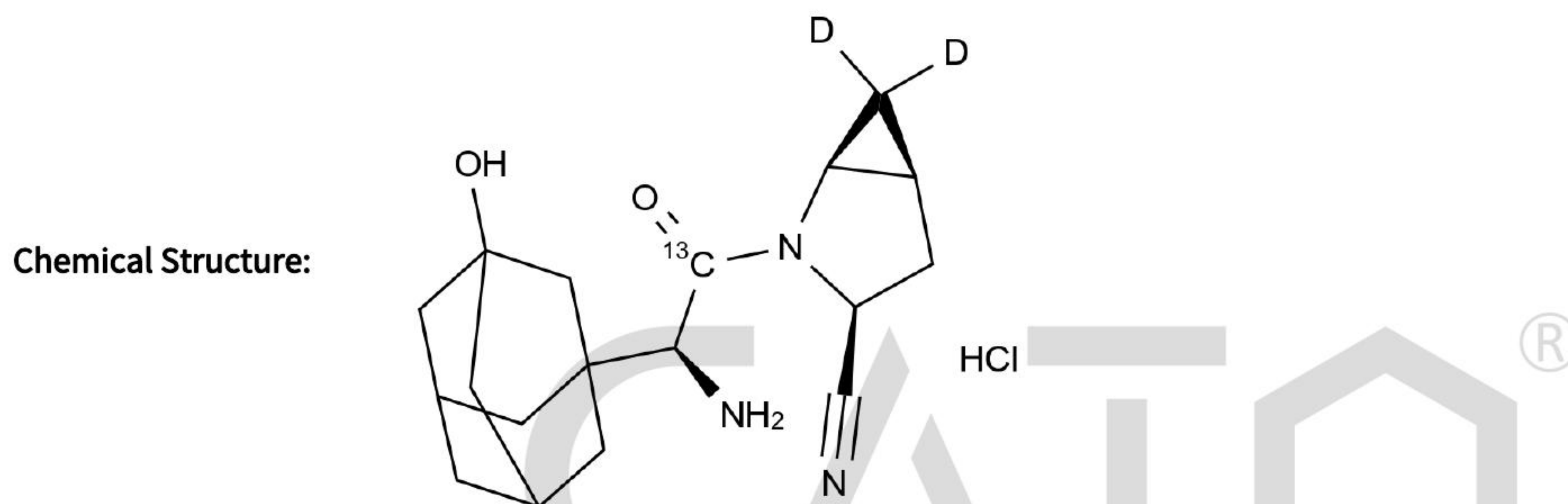


Certificate of Analysis

Reference Material & Standard

Product Name:	Saxagliptin-13C-d2 HCl	Catalogue Number:	C4X-104969
Synonyms:	N/A	Lot Number:	0711-RF-0011
CAS Number:	N/A	Expiry Date:	Aug 09, 2025
Molecular Formula:	C17[13C]H23D2N3O2 HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	318.41 36.46		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	98.4%
Isotopic Purity		99.0% D; 99.0% 13C
Optical Rotation		[α] _D ^{25.0} (c=0.44, CH ₃ OH): -4.0°
Assay	qNMR	89.7%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jul 12, 2024

Date: Jul 12, 2024

Date: Jul 12, 2024

