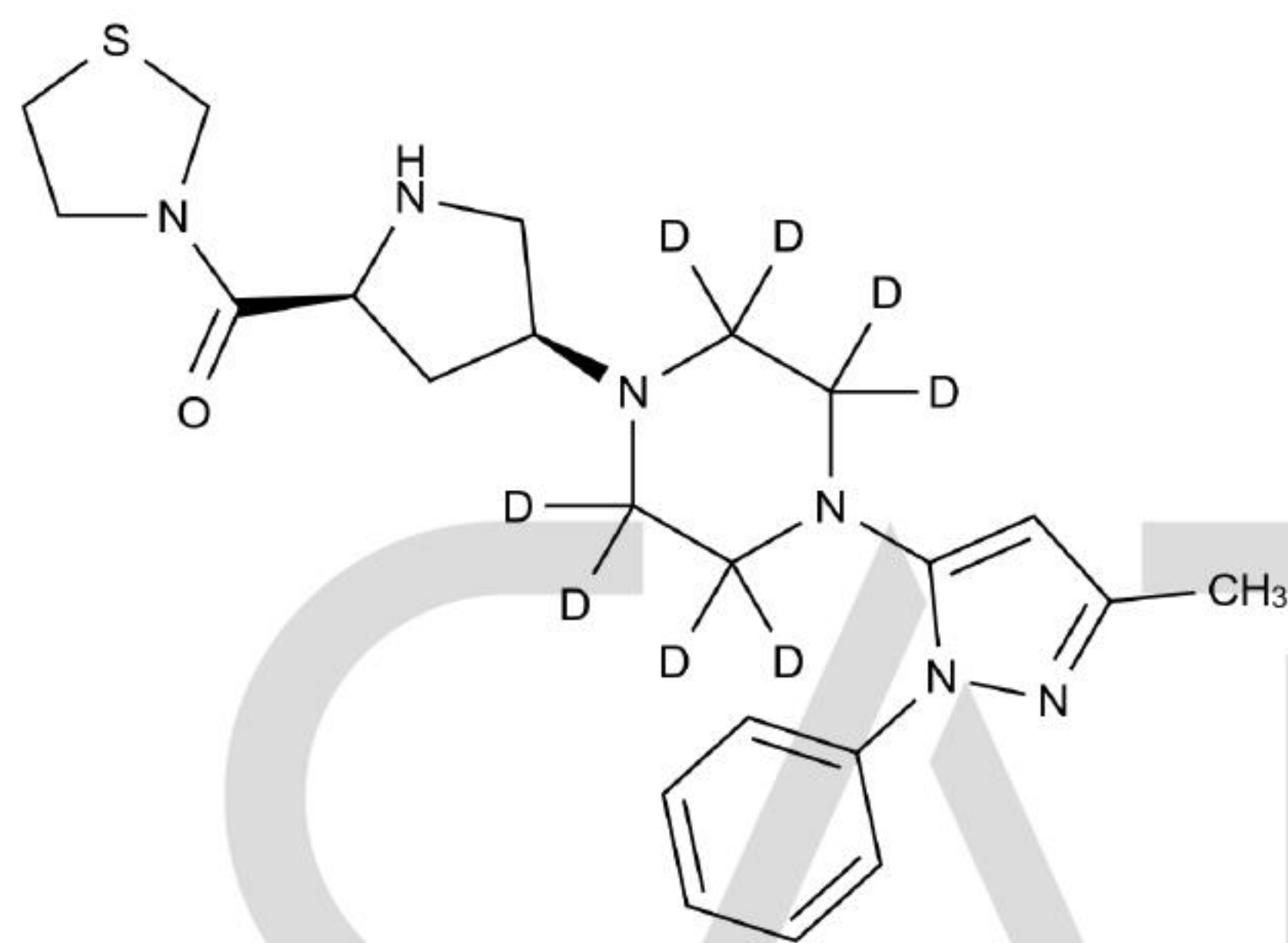


Certificate of Analysis

Reference Material & Standard

Product Name:	Teneligliptin D8	Catalogue Number:	C1271603
Synonyms:	N/A	Lot Number:	0718-RF-0001
CAS Number:	1391012-95-5	Expiry Date:	Jul 04, 2027
Molecular Formula:	C ₂₂ H ₂₂ D ₈ N ₆ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	434.63	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	98.7%
Isotopic Purity		98.3%
Optical Rotation		[α] _D 25.0(c=0.38,CH ₃ OH): -32.8°
Assay	qNMR	92.0%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 18, 2024

Date: Jul 18, 2024

Date: Jul 18, 2024

