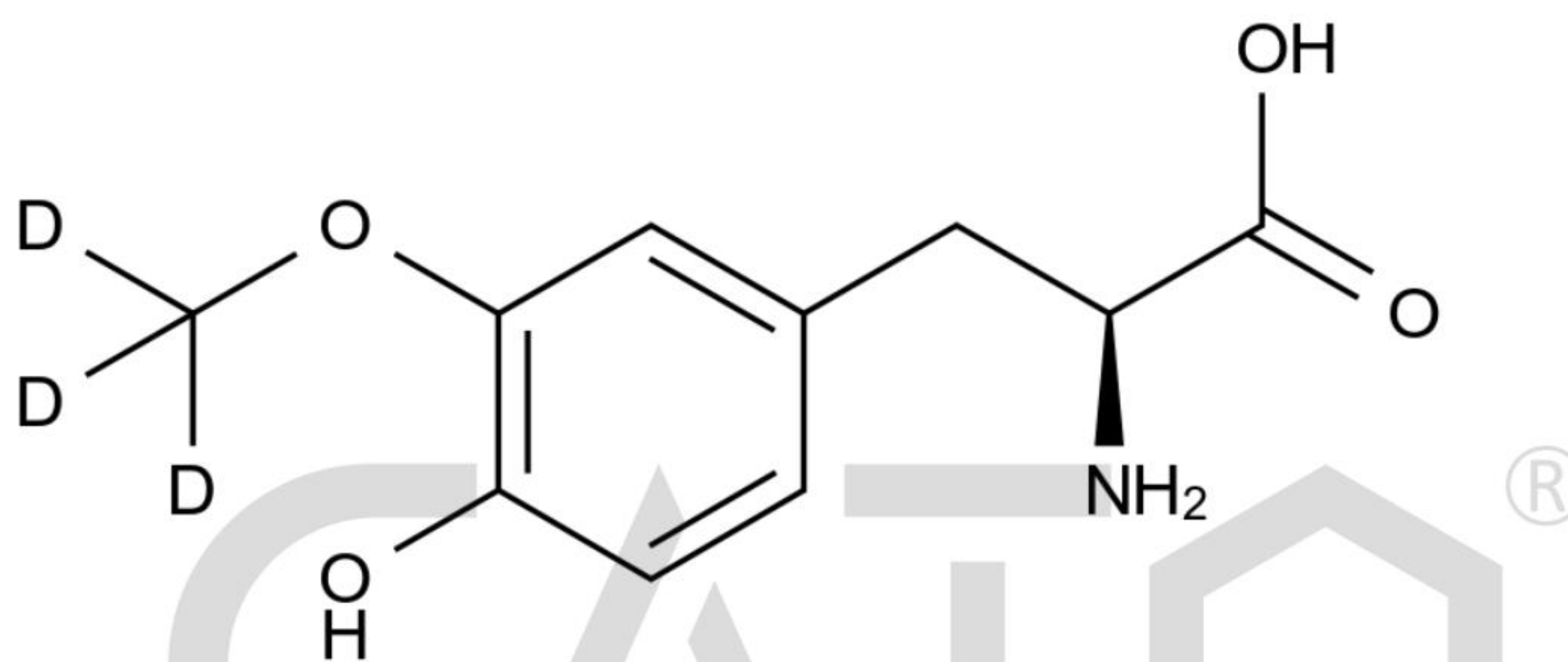


Certificate of Analysis

Reference Material

Product Name:	Levodopa EP Impurity C-d3 (S-isomer) (L-3-O-Methyldopa-d3)	Catalogue Number:	C4X-167616
Chemical Name:	N/A	Lot Number:	0619-RE-0009
CAS Number:	586954-09-8	Expiry Date:	Jun 09, 2026
Molecular Formula:	C ₁₀ H ₁₀ D ₃ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	214.23		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.7%
Isotopic Purity		99.6%
Residual Solvents	NMR	Not detected in NMR
Optical Rotation		[α] _D ^{20.0} (c=0.65, 1N HCl(aq)): -7.3°
Assay	qNMR	89.5%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Nacy

Reviewed by:

Hin lam

Aporoved by General manager:

David

Date: Jun 10, 2023

Date: Jun 25, 2023

Date: Jun 25, 2023

