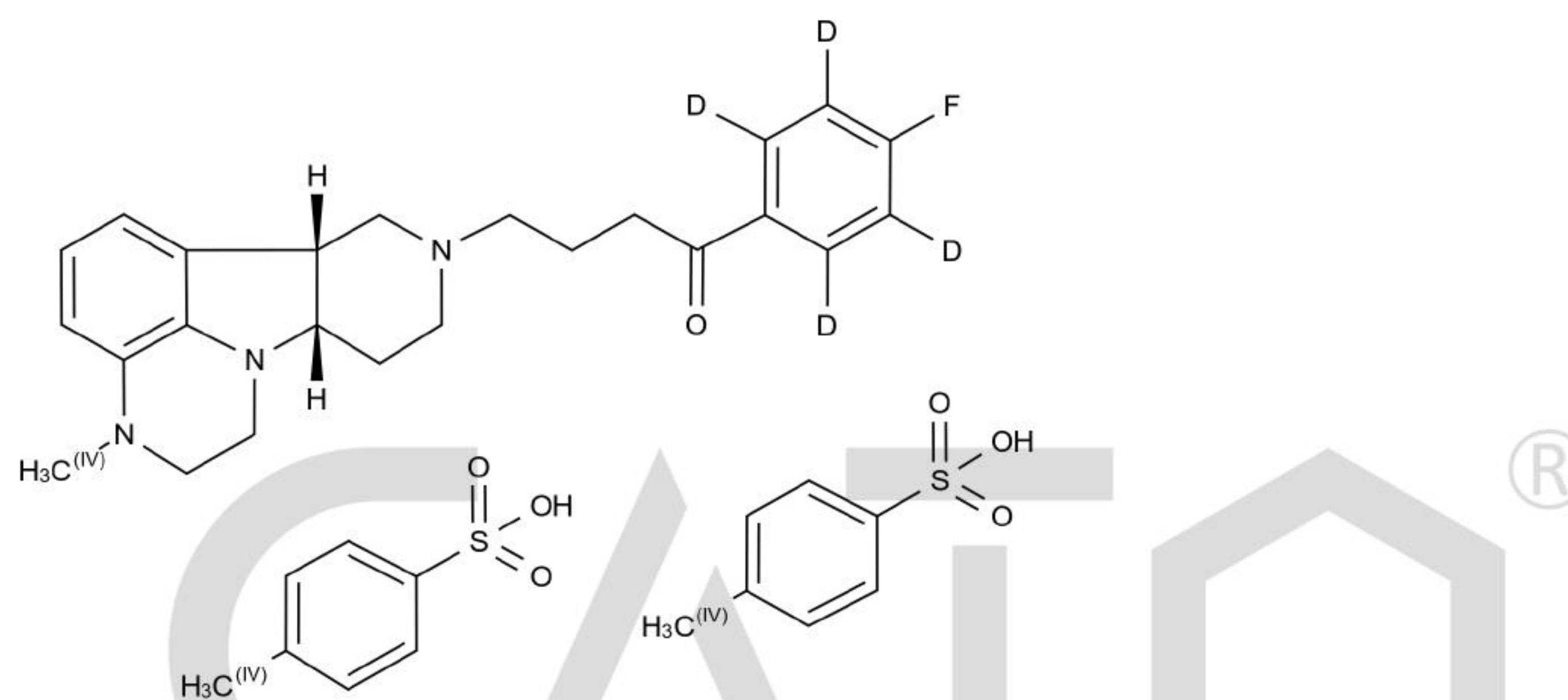


Certificate of Analysis

Reference Material & Standard

Product Name:	Lumateperone-d4 Ditosylate	Catalogue Number:	C4X-220128
Synonyms:	N/A	Lot Number:	0430-RF-0019
CAS Number:	N/A	Expiry Date:	Sep 29, 2025
Molecular Formula:	C ₂₄ H ₂₄ D ₄ FN ₃ O 2*C ₇ H ₈ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	397.52 2*172.20		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	97.4%
Isotopic Purity		92.7%
Optical Rotation		[α] _D ^{25.0} (c=0.34, CH ₃ OH): +43.8°
Assay	qNMR	93.8%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Aporoved by General Manager:

David

Date: May 06, 2024

Date: May 06, 2024

Date: May 06, 2024

