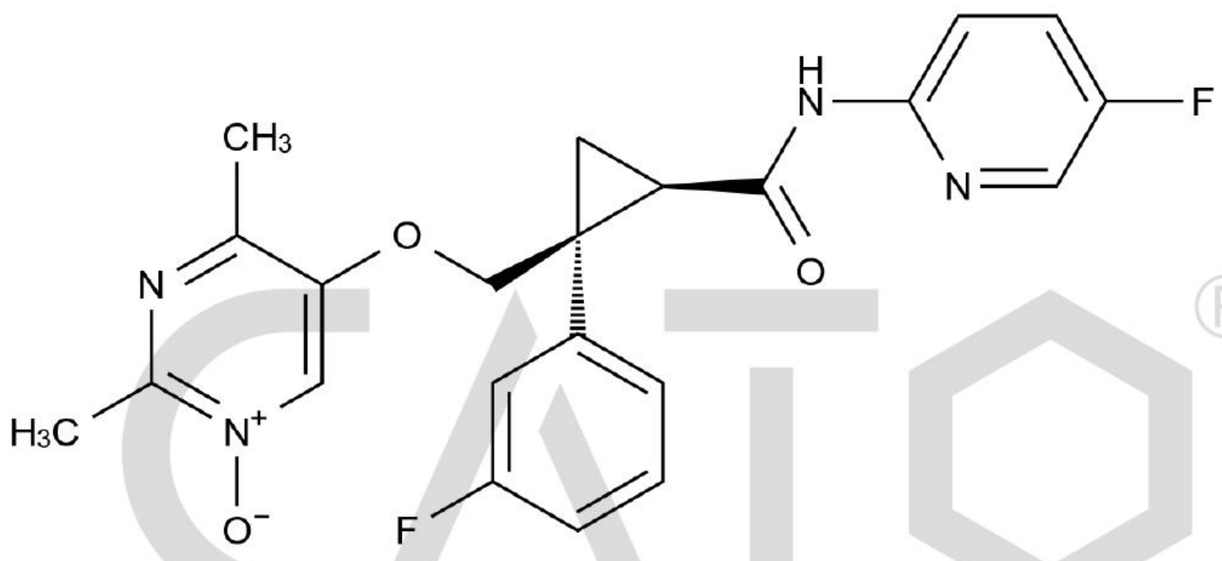
Certificate of Analysis

Reference Material & Standard

Product Name:	Lemborexant Impurity 33	**Catalogue Number:**	C4X-304233
Synonyms:	N/A	**Lot Number:**	1115-RH-0007
CAS Number:	1369765-94-5	**Expiry Date:**	Mar 25, 2028
Molecular Formula:	$C_{22}H_{20}F_2N_4O_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	426.42	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.341%
Water Content	Karl Fischer	0.18%
Residual Solvents	NMR	0.39% dichloromethane
Assay	Mass Balance	97.8%

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Comment:

The calculation of the mass balance 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: Date: Nov 16, 2026

Reviewed by: Date: Nov 16, 2026

Approved by General Manager: Date: Nov 16, 2026

CATO Research Chemicals Inc.