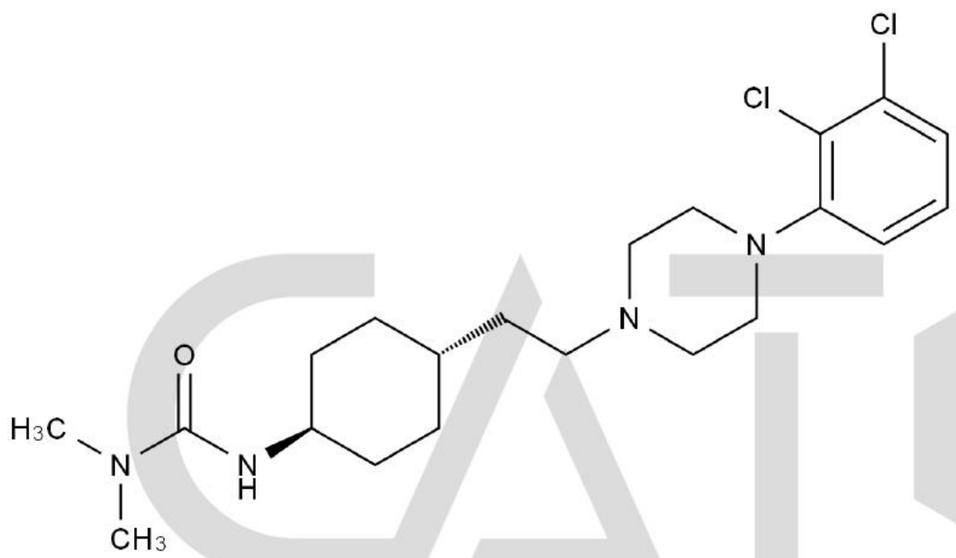
Certificate of Analysis

Reference Material & Standard

Product Name:	Cariprazine	**Catalogue Number:**	C4X-2408
Synonyms:	N/A	**Lot Number:**	1027-RH-0124
CAS Number:	839712-12-8	**Expiry Date:**	Nov 03, 2030
Molecular Formula:	$C_{21}H_{32}Cl_2N_4O$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	427.41	**Shipping Condition:**	Shipping with Ice Packs
Solubility:	Acetonitrile;Water2:1		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.753%
Residue on Ignition	TGA	0.5106%
Loss on Drying	TGA	0.0024%
Assay	qNMR	98.3%
Assay (Assigned Value)	Mass Balance	99.2%

CATO Research Chemicals Inc.

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Nov 04, 2026

Reviewed by: Koi Date: Nov 04, 2026

Approved by General Manager: David Date: Nov 04, 2026

CATO Research Chemicals Inc.