CATO Research Chemicals Inc.

Make the Tests More Accurate

ISO 17034 : 2016 | ISO 9001 : 2015

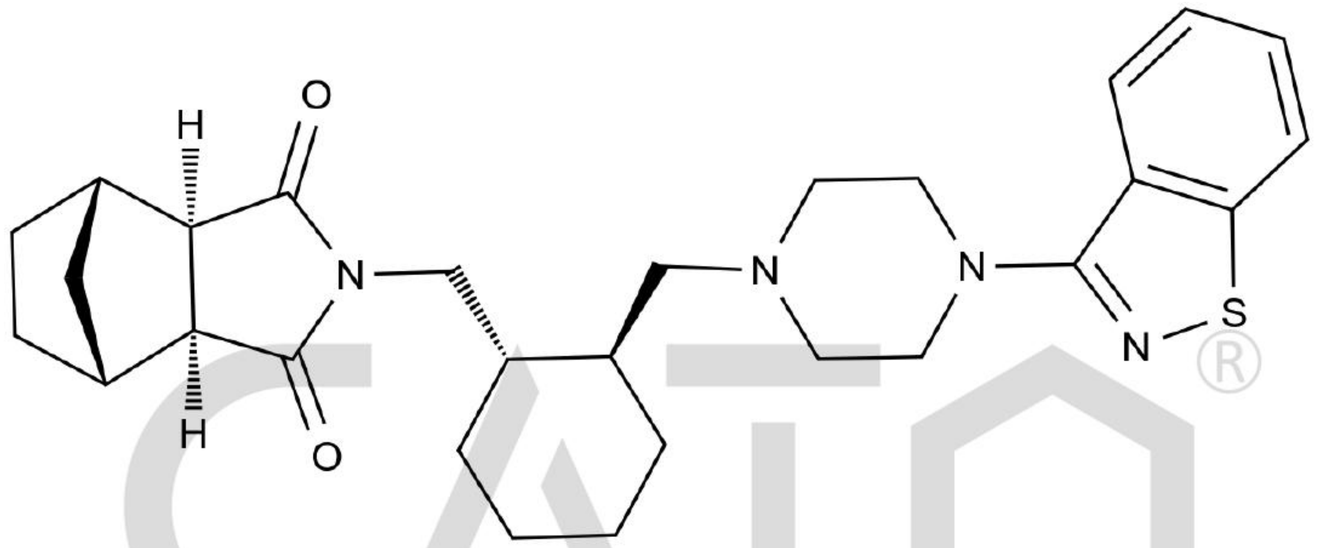
No.: 202501070032

Certificate of Analysis

Reference Material & Standard

Product Name:	Lurasidone Impurity 5	**Catalogue Number:**	C4X-10285
Synonyms:	N/A	**Lot Number:**	1222-RE-0024
CAS Number:	1448443-35-3	**Expiry Date:**	Apr 01, 2027
Molecular Formula:	C28H36N4O2S	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	492.68		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.576%
Water Content	Karl Fischer	0.36%
Residual Solvents	NMR	0.17% ethyl acetate
Assay		99.0%

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Comment:

The calculation of the 100% 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: Koi Date: Jan 07, 2025

Reviewed by: Lisa Date: Jan 08, 2025

Approved by General Manager: David Date: Jan 08, 2025

CATO Research Chemicals Inc.

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