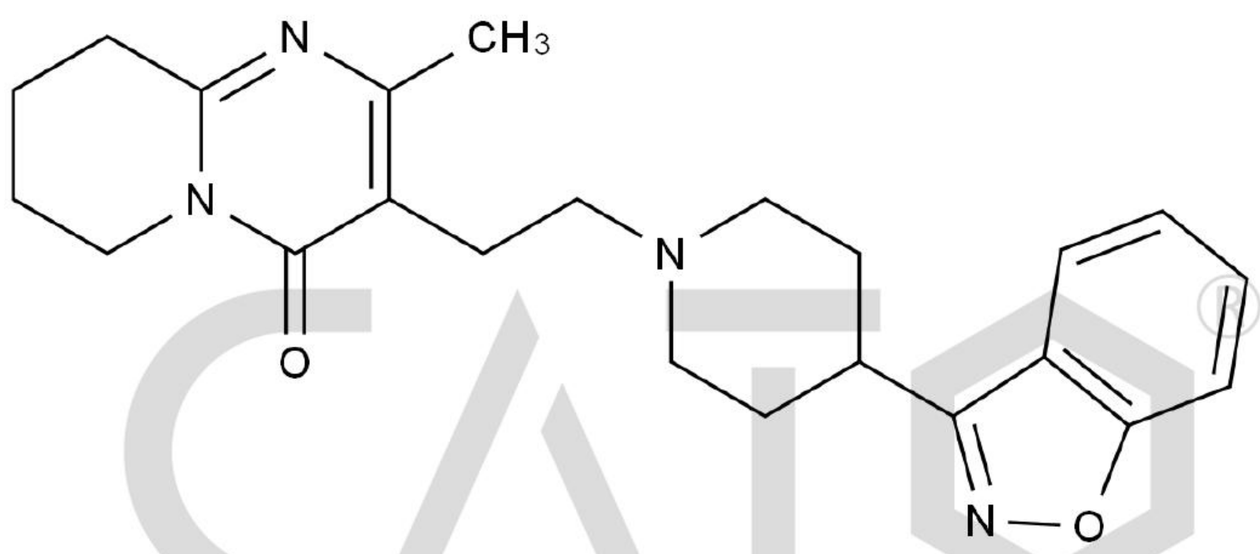
Certificate of Analysis

Reference Material & Standard

Product Name:	Risperidone EP Impurity K	**Catalogue Number:**	C4X-111116
Synonyms:	N/A	**Lot Number:**	1030-RH-0049
CAS Number:	106266-09-5	**Expiry Date:**	Nov 03, 2030
Molecular Formula:	$C_{23}H_{28}N_4O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	392.49	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.228%
Loss on Drying	TGA	2.4863%
Assay	Mass Balance	94.8%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity HPLC (%) /100%*
Loss on Drying is 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.