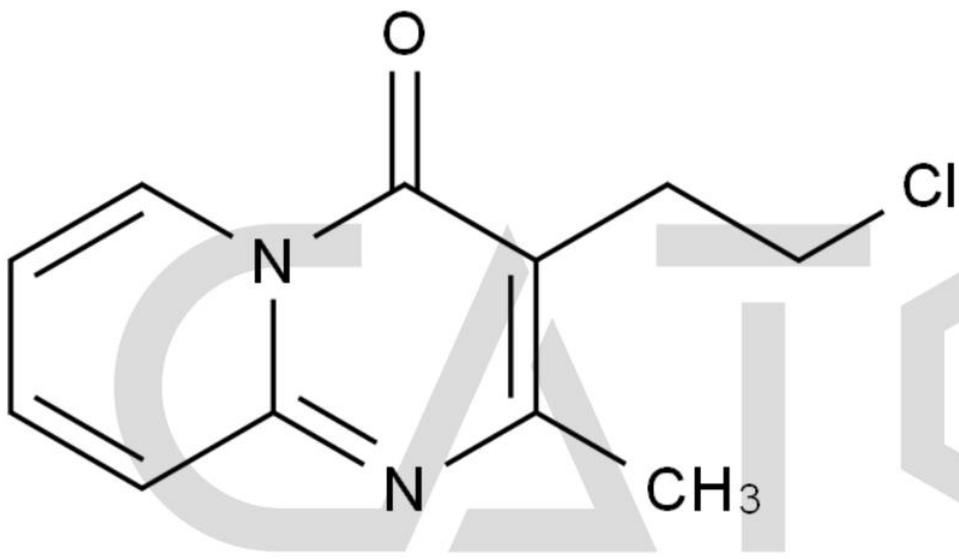
Certificate of Analysis

Reference Material & Standard

Product Name:	Risperidone Impurity 22	**Catalogue Number:**	C4X-111122
Synonyms:	N/A	**Lot Number:**	1118-RF-0113
CAS Number:	41078-70-0	**Expiry Date:**	Oct 14, 2030
Molecular Formula:	$C_{11}H_{11}ClN_2O$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	222.67	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



CATO Research Chemicals Inc.

Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.808%
Loss on Drying	TGA	0.0515%
Assay	Mass Balance	99.8%

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: Koi — Date: Oct 15, 2026

Reviewed by: Lisa — Date: Oct 16, 2026

Approved by General Manager: David — Date: Oct 16, 2026

CATO Research Chemicals Inc.

Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175 Email: supports@cato-chem.com Web: https://www.cato-chem.com

ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

ISO 9001:2000 SYSTEM CERTIFICATION SGS

Official WeChat