

Certificate of Analysis

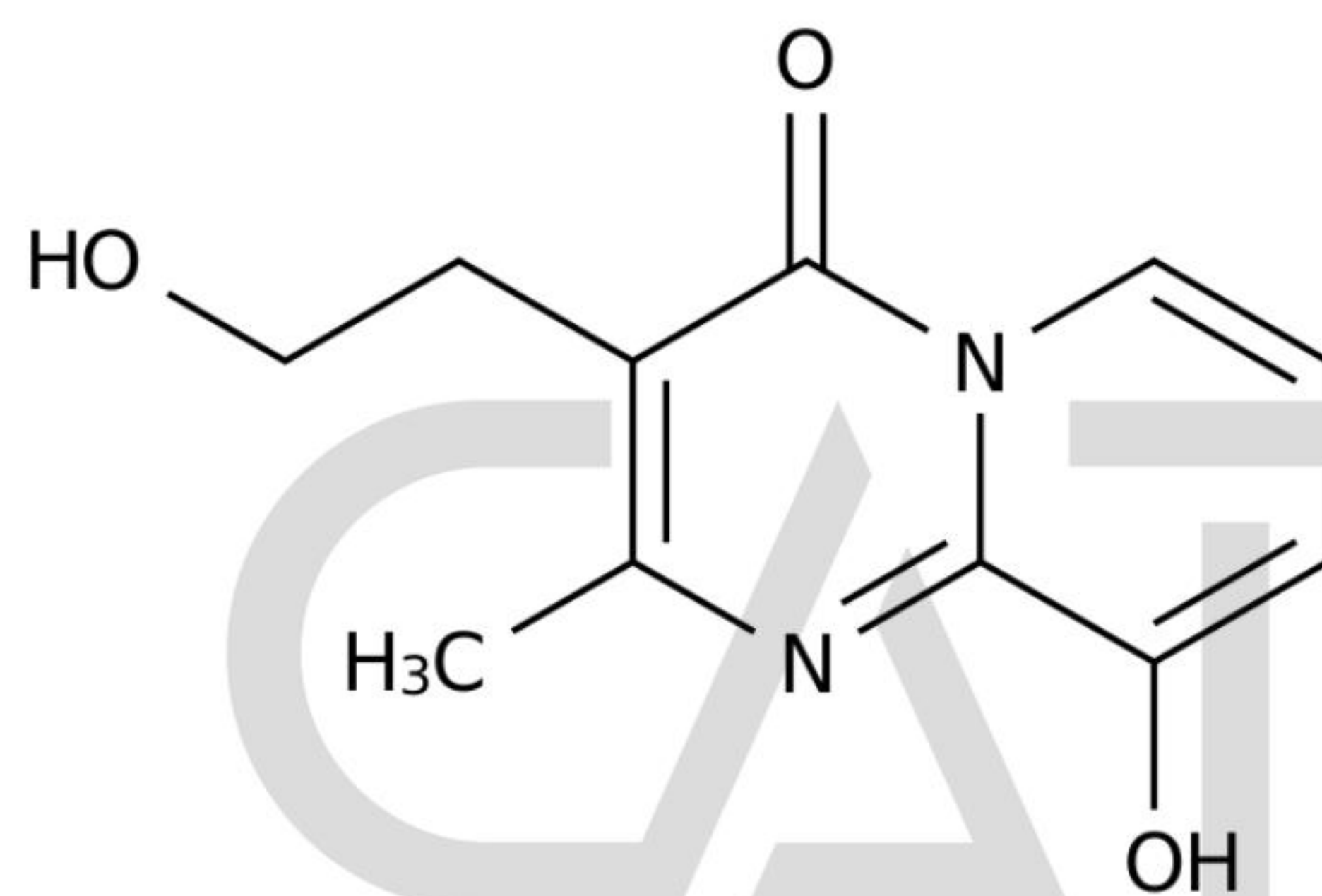
Reference Material & Standard

Product Name:	Paliperidone Impurity 48	Catalogue Number:	C4X-172448
Synonyms:	N/A	Lot Number:	1106-RE-0020
CAS Number:	181525-38-2	Expiry Date:	Jun 28, 2030
Molecular Formula:	C ₁₁ H ₁₂ N ₂ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	220.22	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	0.53%
Residual Solvents	NMR	Not detected in NMR
Assay		99.5%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Jul 07, 2026

Date: Jul 07, 2026

Date: Jul 07, 2026



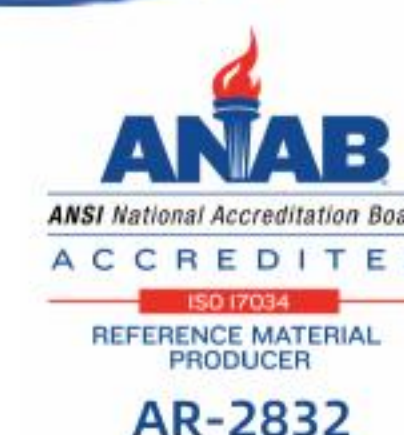
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



Official
WeChat