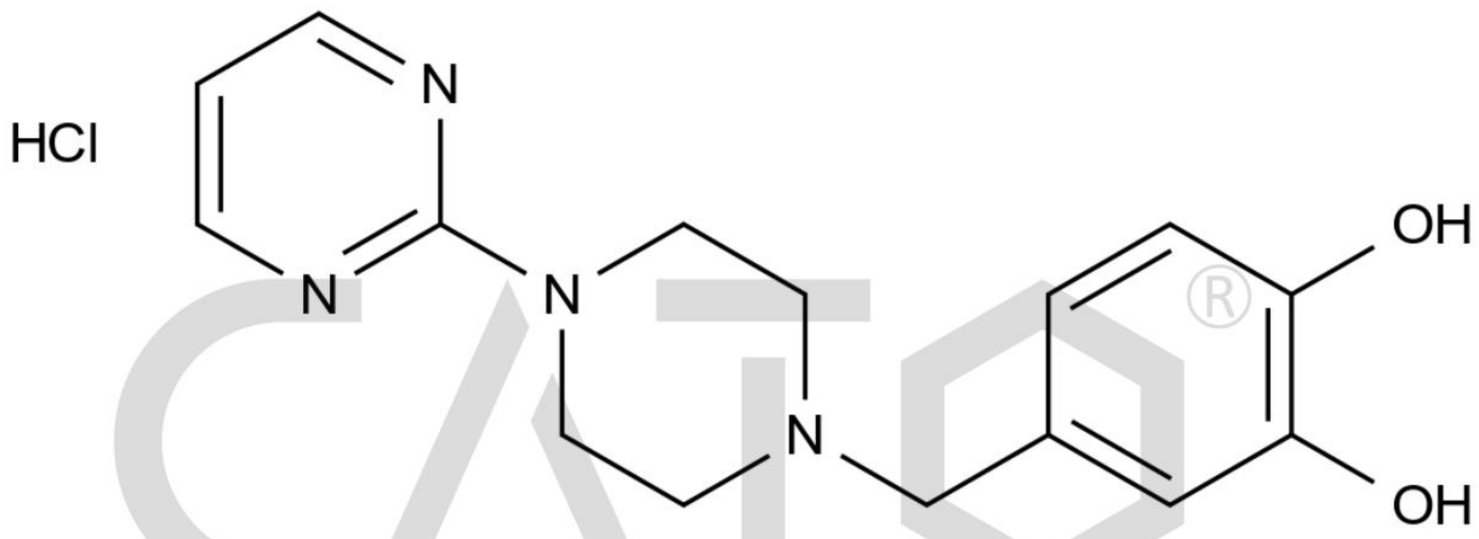
Certificate of Analysis

Reference Material & Standard

Product Name:	Piribedil Impurity 8 HCl	**Catalogue Number:**	C4X-28138
Synonyms:	N/A	**Lot Number:**	1112-RH-0132
CAS Number:	50602-50-1(free base)	**Expiry Date:**	Nov 14, 2030
Molecular Formula:	$C_{15}H_{18}N_4O_2$ HCl	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	286.33 36.46	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.812%
Residue on Ignition	TGA	0.99%
Assay	Mass Balance	95.9%

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) * Purity HPLC (%) /100%*
Residue on Ignition is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Date: Nov 17, 2026

Reviewed by: Date: Nov 17, 2026

Approved by General Manager: Date: Nov 17, 2026

CATO Research Chemicals Inc.