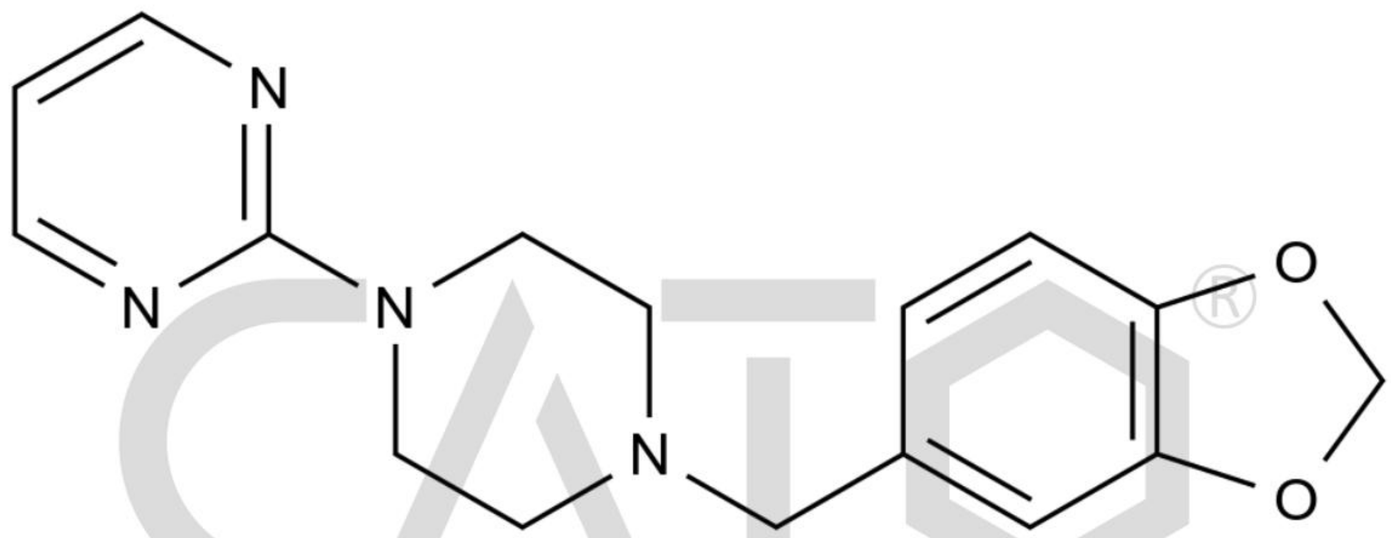
Certificate of Analysis

Reference Material & Standard

Product Name:	Piribedil	**Catalogue Number:**	C4X-2813
Synonyms:	N/A	**Lot Number:**	1104-RH-0010
CAS Number:	3605-01-4	**Expiry Date:**	Nov 09, 2030
Molecular Formula:	$C_{16}H_{18}N_4O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	298.34	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.915%
Residue on Ignition	TGA	0.9995%
Loss on Drying	TGA	0.1316%
Assay	qNMR	98.8%
Assay (Assigned Value)	Mass Balance	98.8%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Alice — Date: Nov 10, 2026

Reviewed by: Koi — Date: Nov 10, 2026

Approved by General Manager: David — Date: Nov 10, 2026

CATO Research Chemicals Inc.