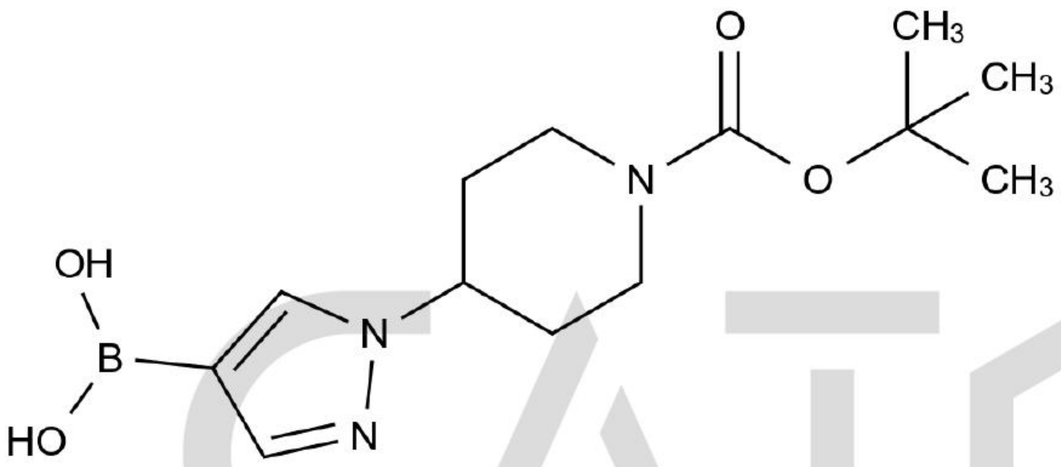
Certificate of Analysis

Reference Material & Standard

Product Name:	(1-(1-(tert-Butoxycarbonyl)piperidin-4-yl)-1H-pyrazol-4-yl)boronic acid	**Catalogue Number:**	C1106751
Synonyms:	N/A	**Lot Number:**	0916-RH-0070
CAS Number:	1190875-39-8	**Expiry Date:**	Sep 17, 2030
Molecular Formula:	$C_{13}H_{22}BN_3O_4$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	295.14	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	98.767%
Loss on Drying	TGA	6.7901%
Assay		92.1%

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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: Hinlam Date: Sep 18, 2026

Reviewed by: Koi Date: Sep 18, 2026

Approved by General Manager: David Date: Sep 18, 2026

CATO Research Chemicals Inc.