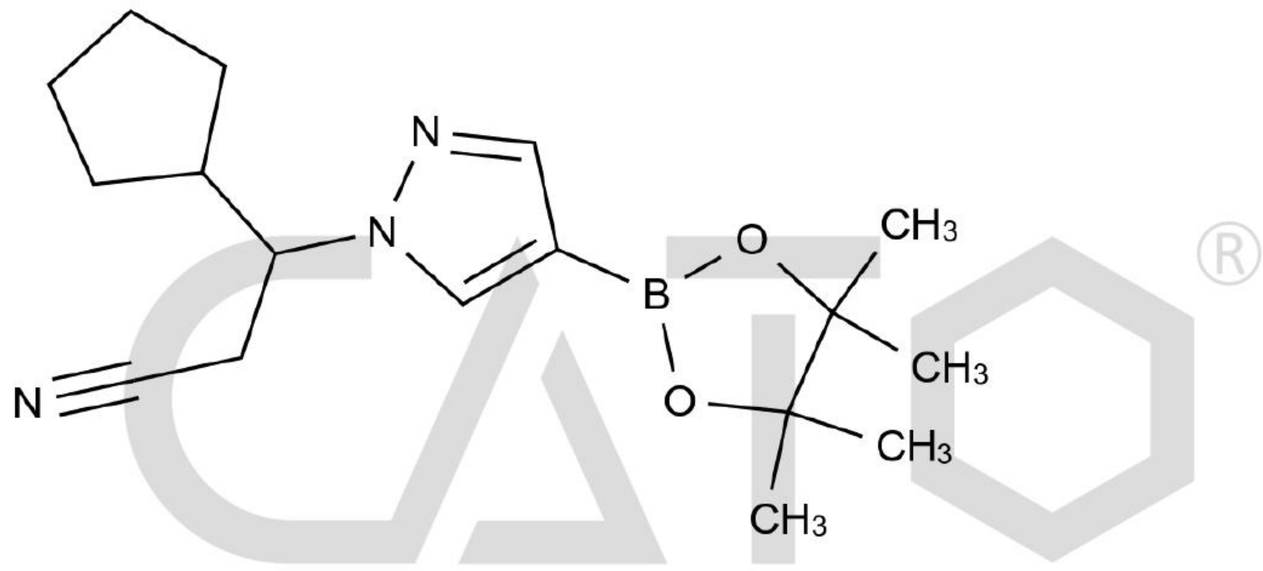
Certificate of Analysis

Reference Material & Standard

Product Name:	Ruxolitinib Impurity N5	**Catalogue Number:**	C1077517
Synonyms:	N/A	**Lot Number:**	1011-RH-0062
CAS Number:	1153949-38-2	**Expiry Date:**	Oct 20, 2030
Molecular Formula:	$C_{17}H_{26}BN_3O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	315.22	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.67%
Loss on Drying	TGA	0.1072%
Assay	qNMR	97.4%
Assay (Assigned Value)	Mass Balance	97.6%

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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: Alice — Date: Oct 21, 2026

Reviewed by: Lisa — Date: Oct 22, 2026

Approved by General Manager: David — Date: Oct 22, 2026

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