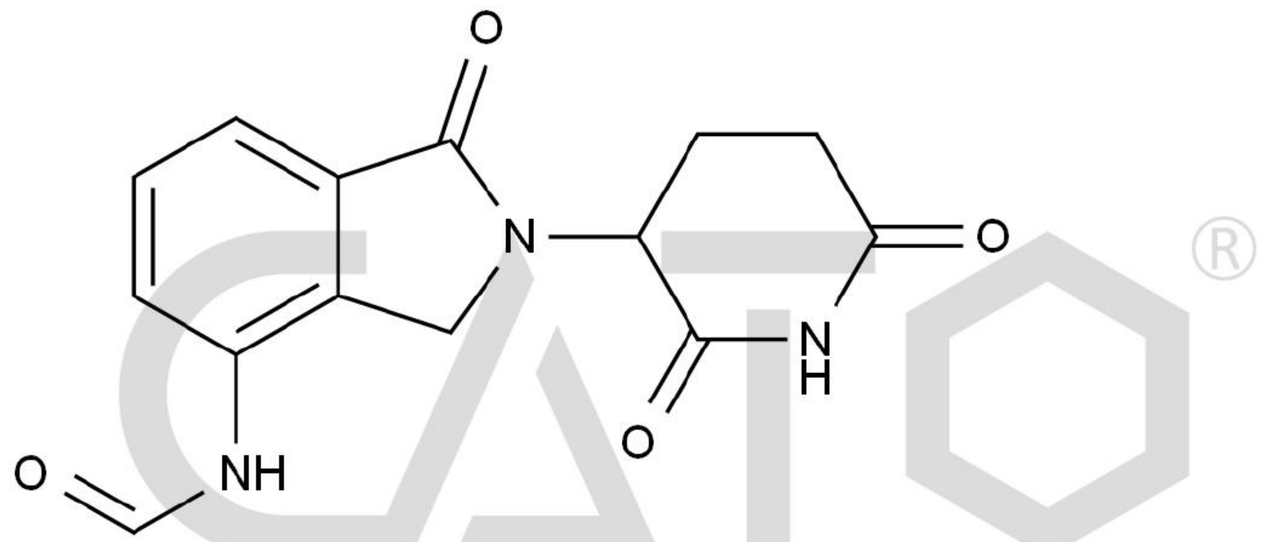
Certificate of Analysis

Reference Material & Standard

Product Name:	Lenalidomide Impurity 5	**Catalogue Number:**	C4X-19035
Synonyms:	N/A	**Lot Number:**	1011-RH-0057
CAS Number:	2197414-56-3	**Expiry Date:**	Oct 12, 2030
Molecular Formula:	$C_{14}H_{13}N_3O_4$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	287.27	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.531%
Water Content	Karl Fischer	0.56%
Residual Solvents	NMR	Not detected in NMR
Assay	Mass Balance	99.0%

CATO Research Chemicals Inc.

Comment:

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

Signature:

Prepared by: Koji Date: Oct 14, 2026

Reviewed by: Lisa Date: Oct 14, 2026

Approved by General Manager: David Date: Oct 14, 2026

CATO Research Chemicals Inc.