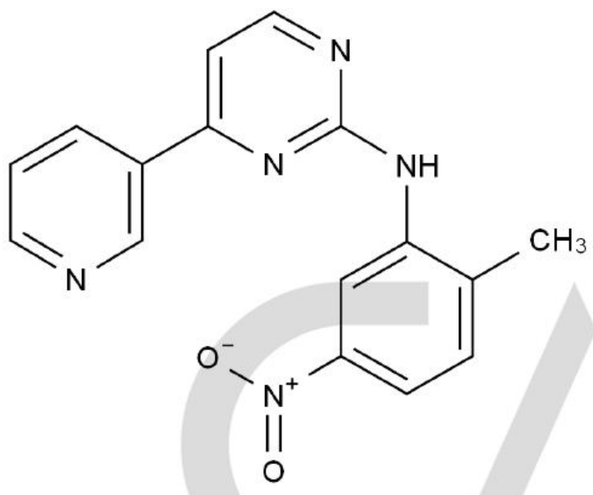
Certificate of Analysis

Reference Material & Standard

Product Name:	Imatinib Impurity 53	**Catalogue Number:**	C4X-106853
Synonyms:	N-(2-Methyl-5-nitrophenyl)-4-(pyridin-3-yl)pyrimidin-2-amine	**Lot Number:**	1021-RA-0009
CAS Number:	152460-09-8	**Expiry Date:**	Oct 14, 2030
Molecular Formula:	$C_{16}H_{13}N_5O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	307.31	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	0.6939%
Assay	Mass Balance	99.3%

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) * Purity HPLC (%) /100%*
Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koji Date: Oct 15, 2026

Reviewed by: Lisa Date: Oct 15, 2026

Approved by General Manager: David Date: Oct 15, 2026

CATO Research Chemicals Inc.