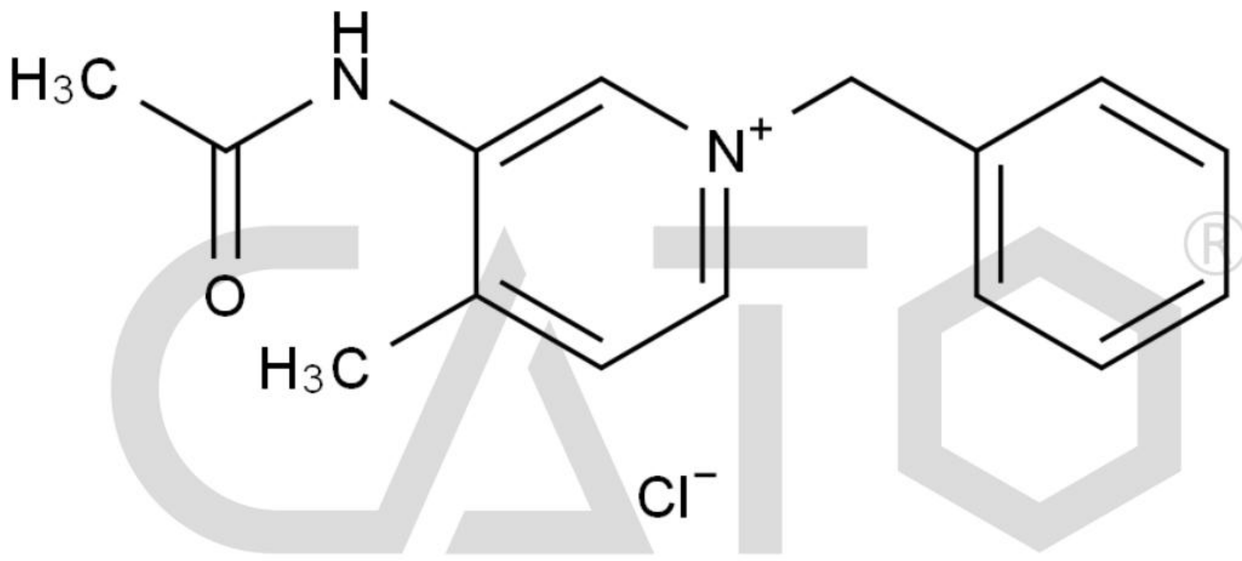
Certificate of Analysis

Reference Material & Standard

Product Name:	Tofacitinib Impurity N48	**Catalogue Number:**	CP120013
Synonyms:	N/A	**Lot Number:**	1103-RH-0056
CAS Number:	1638499-35-0	**Expiry Date:**	Nov 05, 2030
Molecular Formula:	$C_{15}H_{17}ClN_2O$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	276.76	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile	**Warning:**	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Brown Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.4%
Assay	qNMR	98.4%

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Nov 06, 2026

Reviewed by: Koi Date: Nov 06, 2026

Approved by General Manager: David Date: Nov 06, 2026

CATO Research Chemicals Inc.