

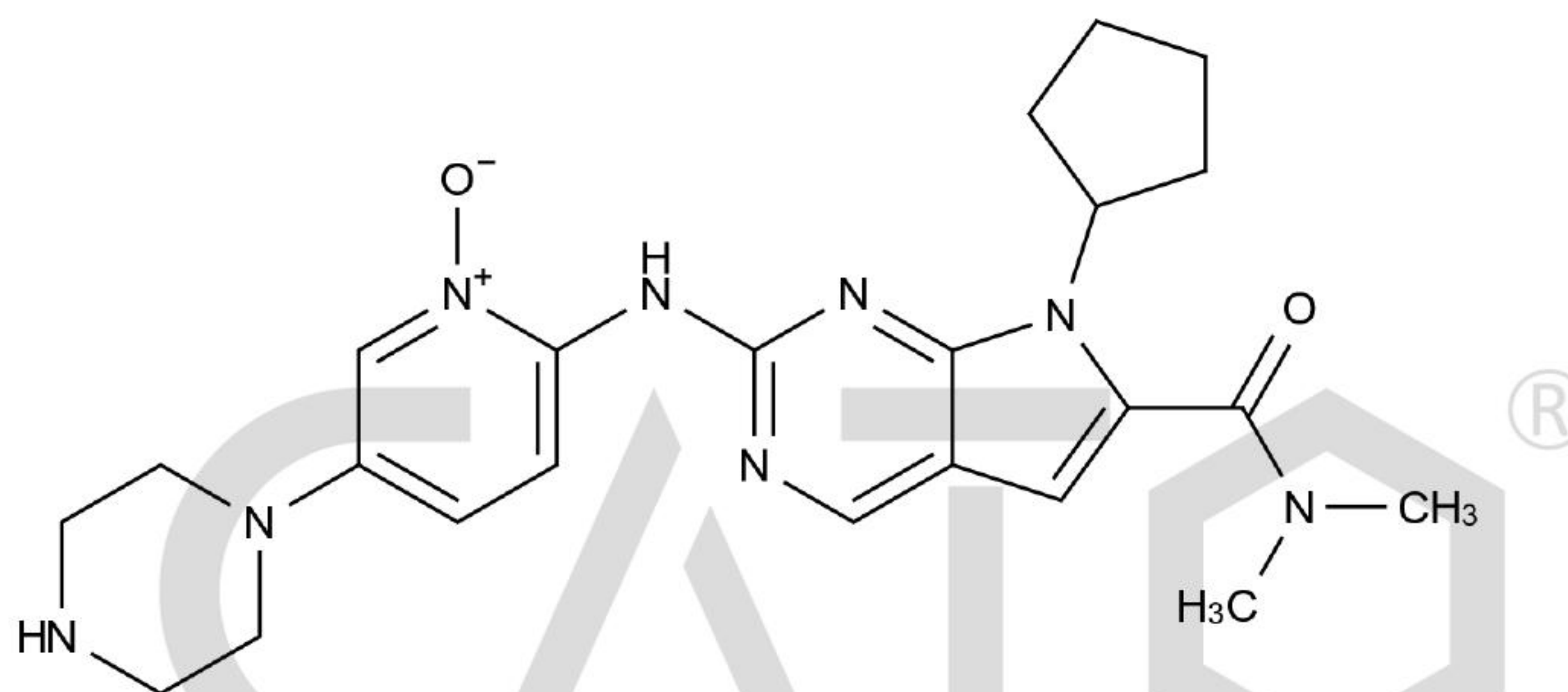
Certificate of Analysis

Reference Material & Standard

Product Name:	Ribociclib Impurity N1	Catalogue Number:	C1912924
Synonyms:	N/A	Lot Number:	0120-RG-0026
CAS Number:	2069953-39-3	Expiry Date:	Jul 22, 2027
Molecular Formula:	C23H30N8O2	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	450.54	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.406%
Water Content	Karl Fischer	1.61%
Residual Solvents	NMR	0.56% acetonitrile
Assay		97.2%

Comment:

The calculation of the 100% 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:

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Approved by General Manager:

David

Date: Jan 21, 2025

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