

Certificate of Analysis

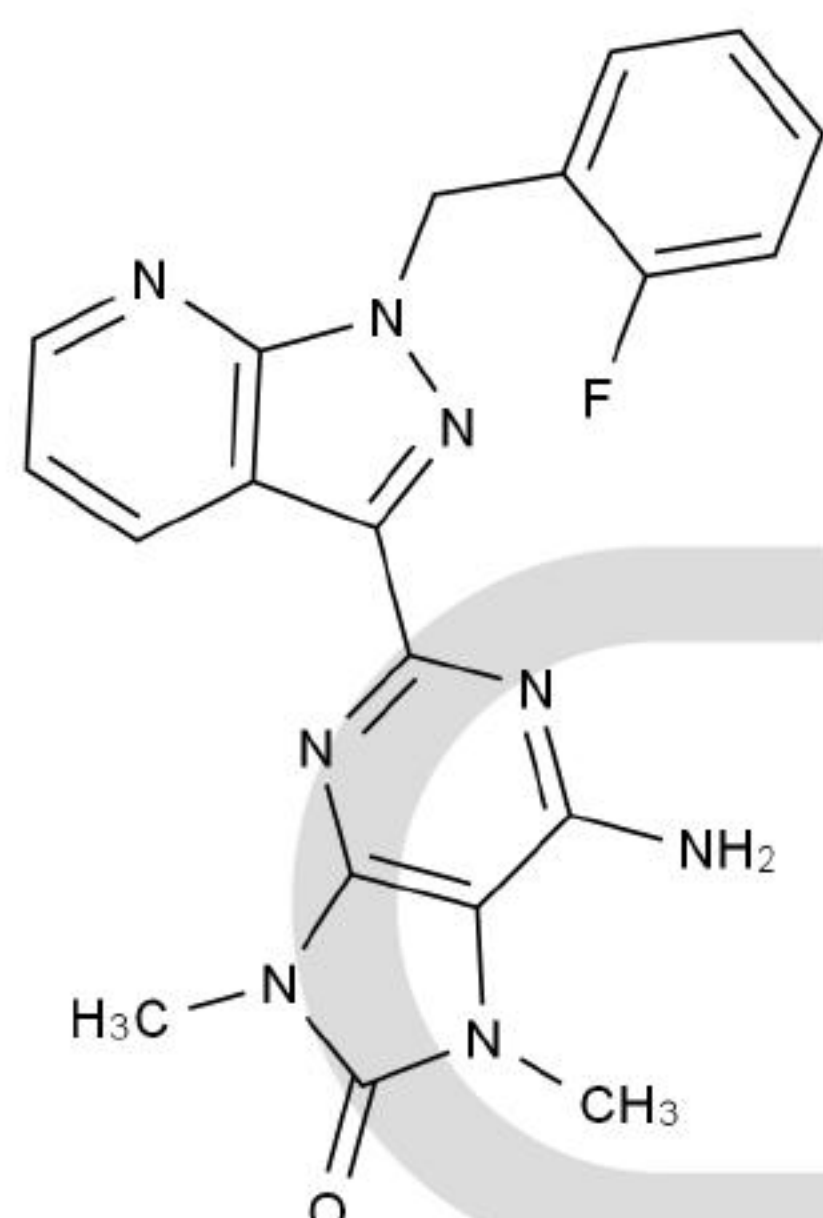
Reference Material & Standard

Product Name:	Riociguat Impurity 18	Catalogue Number:	C4X-174918
Synonyms:	N/A	Lot Number:	0123-RH-0114
CAS Number:	1361569-23-4	Expiry Date:	Jan 18, 2028
Molecular Formula:	C ₂₀ H ₁₇ FN ₈ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	404.40	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pink Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.896%
Water Content	Karl Fischer	0.55%
Assay		99.3%

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:

Reviewed by:

Approved by General Manager:

Date: Jan 28, 2026

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Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



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