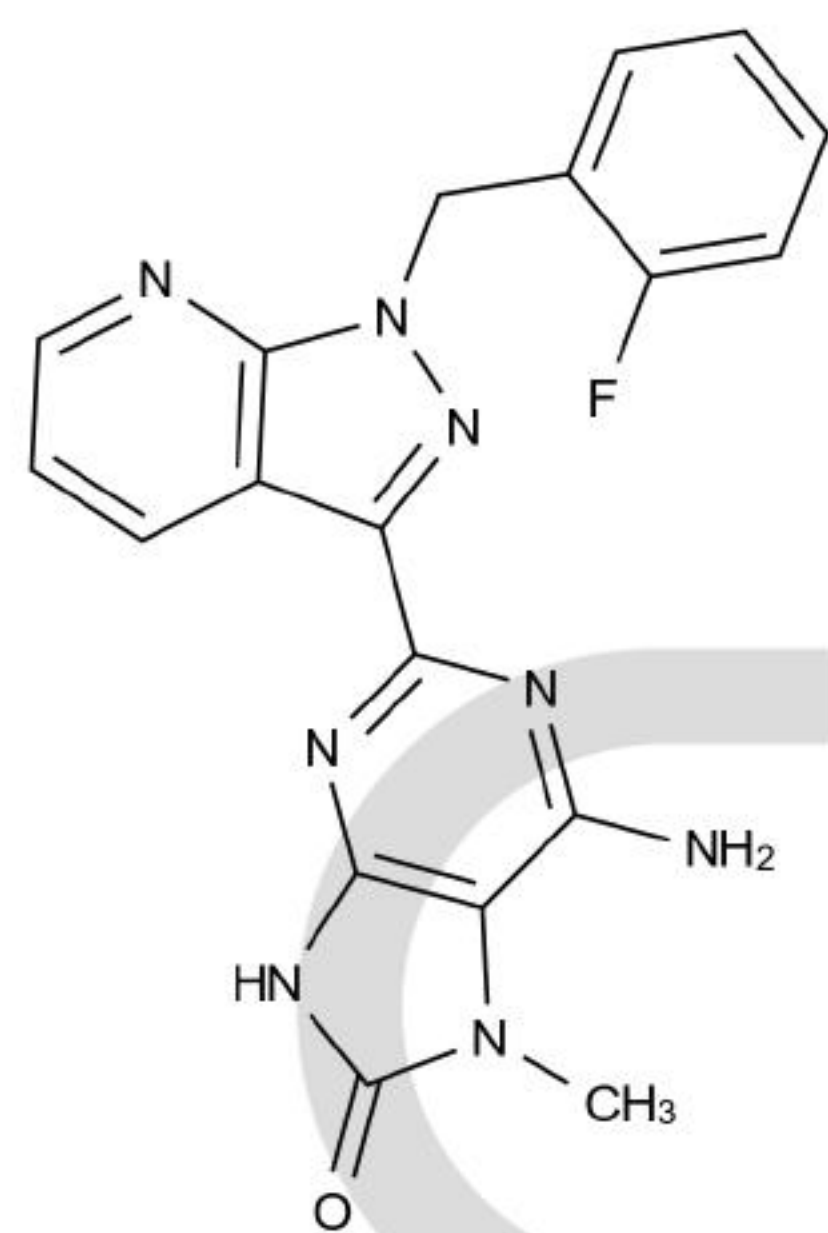


Certificate of Analysis

Reference Material & Standard

Product Name:	Riociguat Impurity 16	Catalogue Number:	C4X-174916
Synonyms:	N/A	Lot Number:	0330-RH-0095
CAS Number:	1361569-18-7	Expiry Date:	Mar 22, 2030
Molecular Formula:	C ₁₉ H ₁₅ FN ₈ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	390.37	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	97.394%
Loss on Drying	TGA	2.66%
Assay		94.8%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Apr 07, 2026

Date: Apr 08, 2026

Date: Apr 08, 2026



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