

Certificate of Analysis

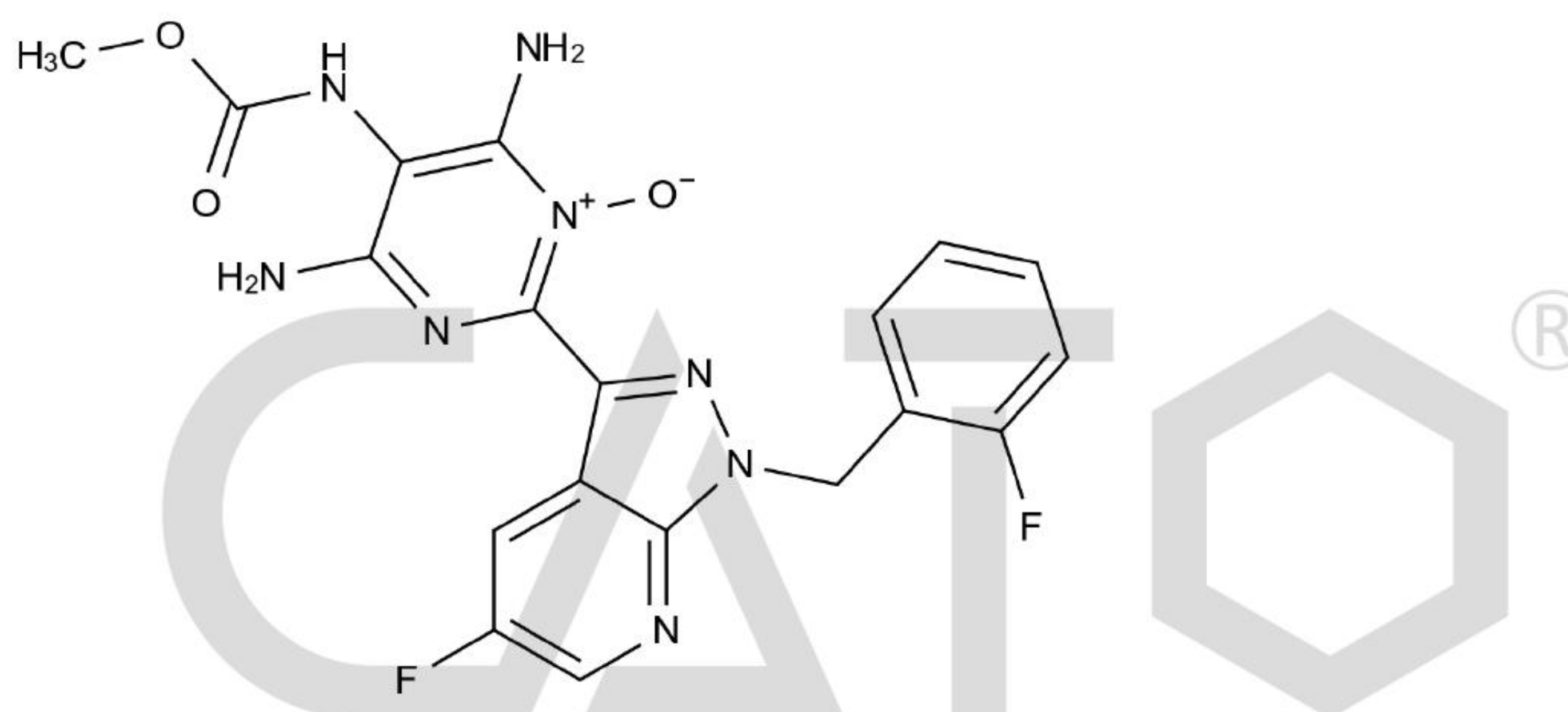
Reference Material & Standard

Product Name:	Vericiguat impurity 49	Catalogue Number:	C4X-289649
Synonyms:	N/A	Lot Number:	0507-RH-0072
CAS Number:	N/A	Expiry Date:	May 17, 2030
Molecular Formula:	C ₁₉ H ₁₆ F ₂ N ₈ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	442.38	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.756%
Loss on Drying	TGA	6.9494%
Assay		89.1%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 18, 2026

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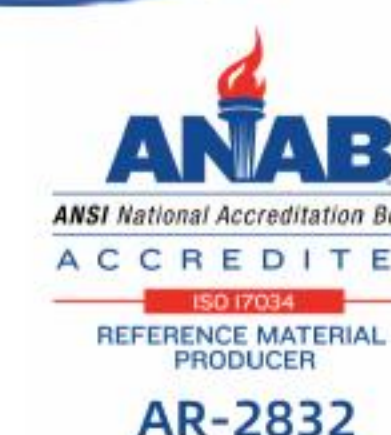
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Page 1 of 6



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