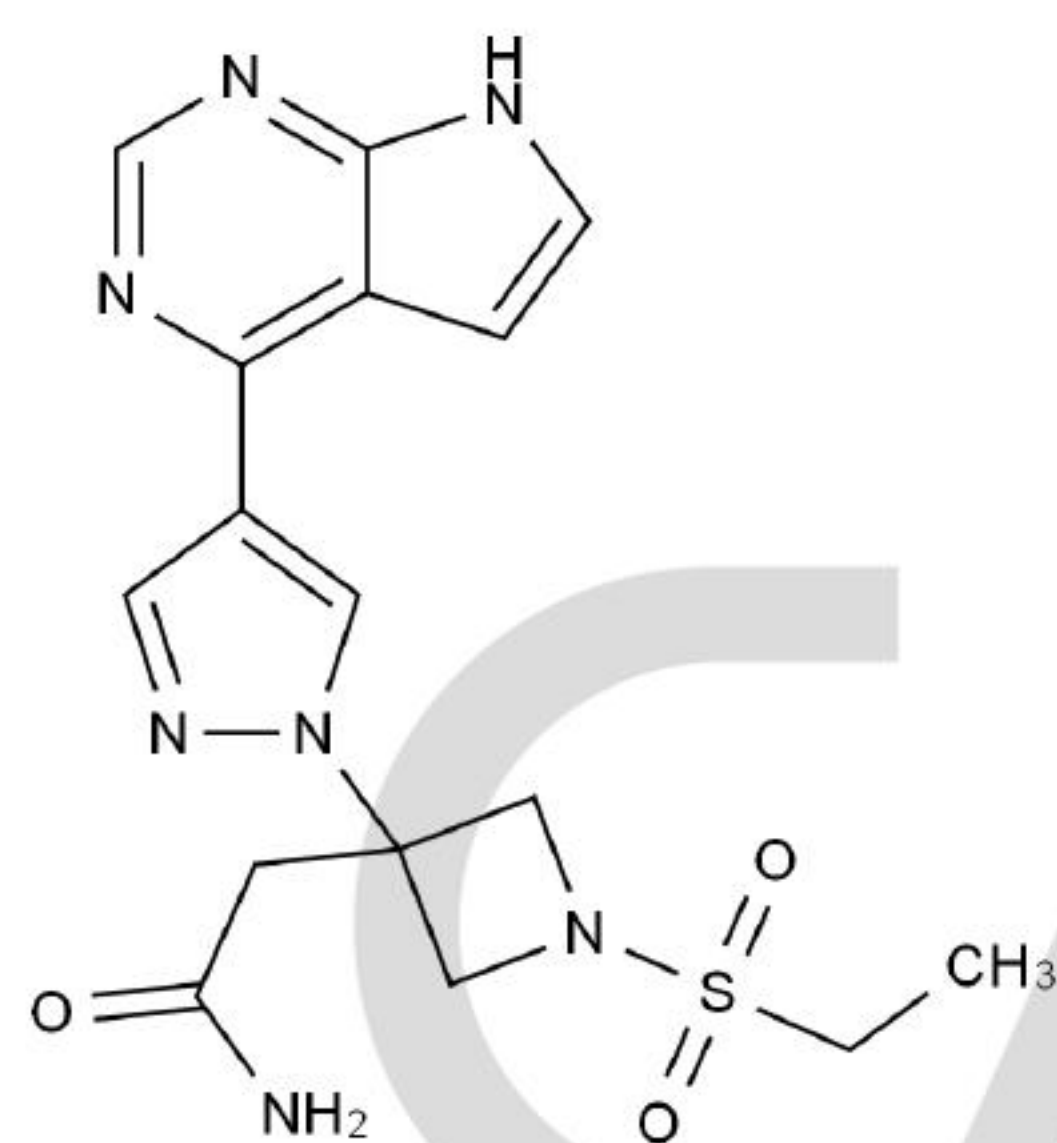


Certificate of Analysis

Reference Material & Standard

Product Name:	Baricitinib Impurity 6	Catalogue Number:	C4X-22606
Synonyms:	2-{1-(Ethylsulfonyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-3-azetidinyl}acetamide	Lot Number:	0520-RH-0055
CAS Number:	2271228-51-2	Expiry Date:	Jun 01, 2030
Molecular Formula:	C ₁₆ H ₁₉ N ₇ O ₃ S	Storage:	2°C ~ 8°C Sealed
Molecular Weight:	389.43	Shipping Condition:	Shipping at Room Temperature
Solubility:	Soluble in DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	97.725%
Residue on Ignition	TGA	0.3344%
Loss on Drying	TGA	0.5829%
Assay	qNMR	97.3%
Assay	Mass Balance	96.8%

Comment:

- The retest date of this product is Jun 01, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss on Drying}) * \text{Purity HPLC (\%)} / 100\%$$
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Alice

Approved by General Manager:

David

Date: Jun 02, 2026

Date: Jun 02, 2026

Date: Jun 02, 2026



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