



## Certificate of analysis

Product name: Baricitinib

Cas number: 1187594-09-7

Molecular Formula: C<sub>16</sub>H<sub>17</sub>N<sub>7</sub>O<sub>2</sub>S

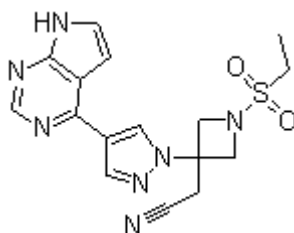
Molecular Weight: 371.42

Date of production: Nov. 04, 2017

Batch NO: 20171104

EXP DATE: Nov. 03, 2019

Chemical structure:



Items	Specifications	Results
Description	white powder	Conform
Identification	NMR HPLC	Conform
Melting poin	211.0°C ~ 216.0°C	213.0°C ~ 214.5°C
water	≤ 0.5%	0.04%
Residue on Ignition	≤ 0.2%	0.09%
Heavy metals	≤ 10ppm	Conform
Related substance	The maximum single impurity ≤ 0.10%	0.06%
	Total impurities ≤ 1.0%	0.16%
Loss on drying	≤ 0.5%	0.07
Assay	≥ 98%	99.84%

**Conclusion: It complies with the Enterprise Standard.**

Analyst: Zhao

Checker: Liu

Q.C Director: Fang