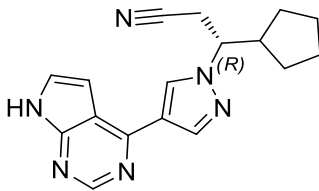




## Certificate of Analysis

<b>MedKoo Cat#:</b>	<b>Product Name:</b>	<b>Lot#:</b>
201512	Ruxolitinib Free Base	X7P07R31

<b>Chemical name</b>	
(R)-3-(4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl)-3-cyclopentylpropanenitrile.	
<b>Synonyms</b>	
INCB-018424, INCB 018424, INCB018424, Jakafi.	
<b>Chemical structure</b>	<b>CAS# and Theoretical analysis</b>
	MedKoo Cat#: 201512 Name: Ruxolitinib free base CAS#: 941678-49-5 (free base) Lot#: X7P07R31 Chemical Formula: C <sub>17</sub> H <sub>18</sub> N <sub>6</sub> Exact Mass: 306.15929 Molecular Weight: 306.37

<b>Analysis item</b>	<b>Specifications / Results</b>
<b>Appearance</b>	White to light yellow solid powder
<b>Structure</b>	<sup>1</sup> H-NMR analysis matches the structure. MS analysis gives the correct molecule weight. Both NMR and MS data are consistent with those reported in the literature.
<b>Purity (HPLC)</b>	>99.0%
<b>Solubility</b>	Soluble in DMSO.
<b>Conclusion</b>	This product conforms with MedKoo's quality standards
<b>Shipping condition</b>	Shipped under ambient temperature as non-hazardous chemical. This product is stable for a few weeks during ordinary shipping and time spent in customs.
<b>Storage condition</b>	Short term storage (weeks): 0 – 4 °C under dry condition Long term storage (months): -20 °C under dry condition
<b>Shelf life</b>	At least 5 years if properly stored.

**CAUTION: NOT FULLY TESTED. FOR RESEARCH ONLY, NOT FOR HUMAN USE**