

# Ruxolitinib

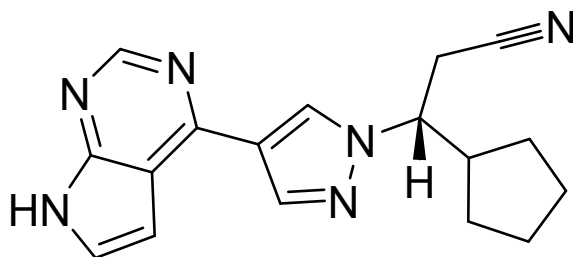
**SYN-1120**

(3R)-3-(4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl)-3-cyclopentylpropanenitrile

CAS Registry No.: 941678-49-5

Smiles String:

c1c[nH]c2c1c(ncn2)c3cnn(c3)[C@H](CC#N)C4CCCC4



Molecular Weight: 306.37

Molecular Formula: C<sub>17</sub>H<sub>18</sub>N<sub>6</sub>

Lot Number: Refer to vial

<sup>1</sup>H-NMR: Available on request

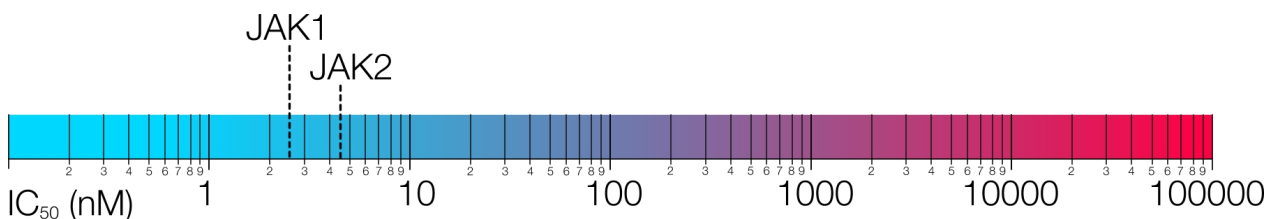
HPLC (Purity): > 95.0% @ 254 nm

ES-MS: Available on request

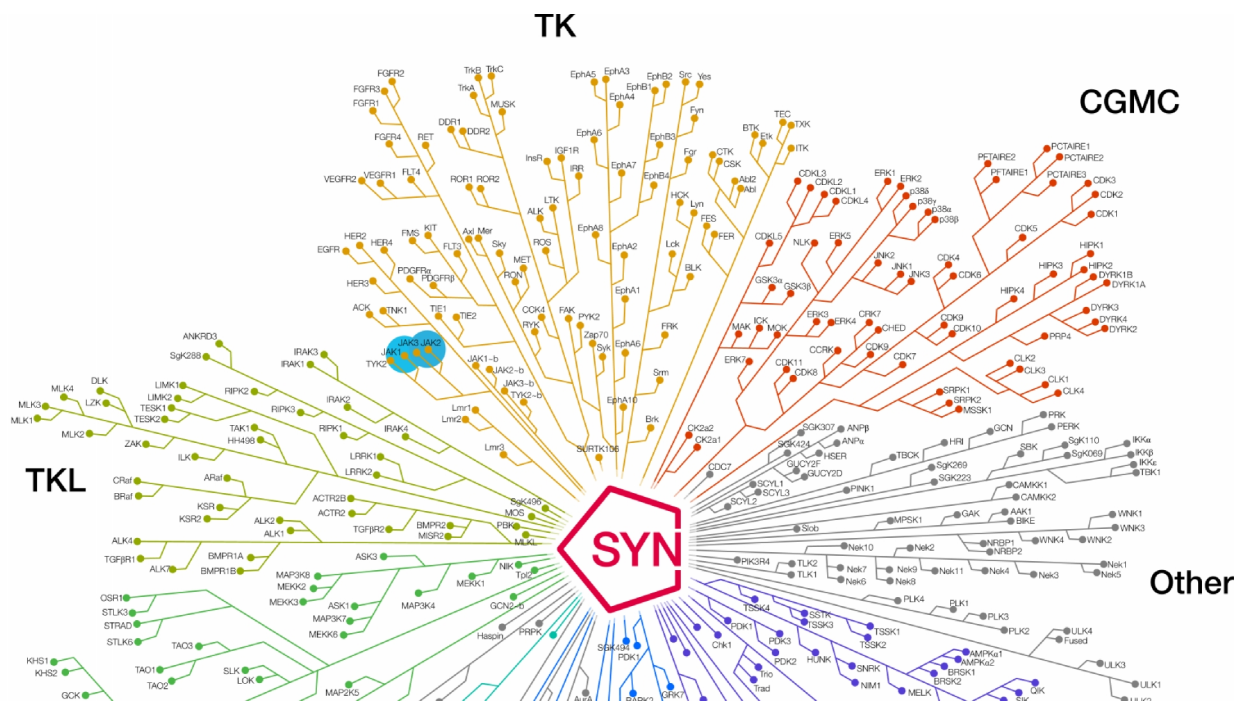
## Description:

INCB018424 is a JAK inhibitor with an IC<sub>50</sub> values of 2.7, 4.5 respectively for JAK1 and JAK2.

## Biological Activity



# Kinome Mapping



## Shipping and Storage Temperature

**Shipping:**  
Ambient

**Storage:**  
2 years -20C, Powder 1 month, -4C in DMSO, More than one month -80C in DMSO

## Solubility

DMSO 62mg/mL, Ethanol 2mg/mL

## Preparing Stock Solutions

Stock Solution (1ml DMSO)	1mM	10mM	20mM	50mM
Mass(mg)	0.3064	3.0640	6.1280	15.3200

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## References

1. Travis CC, Pack SA, Saulsbury AW, Yambert MW. Prediction of carcinogenic potency from toxicological data. *Mutat Res.* 1990 May;241(1):21-36.

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## Ordering Information

To order more of this or any other SYNkinase compound, go to [synkinase.com](http://synkinase.com), Call us Toll Free (US Only) at 1- 877-854-6273 or email [orders@synkinase.com](mailto:orders@synkinase.com).

Product Datasheet (Rev. 1.1)