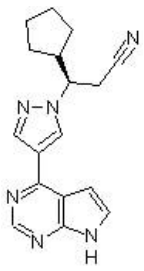


# Ruxolitinib, ATP-competitive JAK1/2 inhibitor ab141356

## 2 References

### Overview

<b>Product name</b>	Ruxolitinib, ATP-competitive JAK1/2 inhibitor
<b>Description</b>	Potent, selective ATP-competitive JAK1/2 inhibitor
<b>Biological description</b>	Potent, selective ATP-competitive Janus-associated kinase 1 and 2 inhibitor (IC <sub>50</sub> values of 3.3, 2.8 and 428 nM for JAK1, JAK2 and JAK3 respectively <i>in vitro</i> ). Inhibits IL-6 signaling (IC <sub>50</sub> = 281nM). Orally bioavailable.
<b>Purity</b>	> 99%
<b>CAS Number</b>	941678-49-5
<b>Chemical structure</b>	

### Properties

<b>Chemical name</b>	(3R)-3-(4-(7H-Pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl)-3-cyclopentylpropanenitrile
<b>Molecular weight</b>	306.37
<b>Molecular formula</b>	C <sub>17</sub> H <sub>18</sub> N <sub>6</sub>
<b>PubChem identifier</b>	25126798
<b>Storage instructions</b>	Shipped at room temperature. Store at -20°C.
<b>Solubility overview</b>	Soluble in DMSO to 16 mM and in ethanol to 32 mM
<b>Handling</b>	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked</a></p>

[questions \(FAQ\) page](#) for more details.

**SMILES**

C1CCC(C1)[C@@H](CC#N)N2C=C(C=N2)C3=C4C=CNC4=NC=N3

**Source**

Synthetic

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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