

## Ruxolitinib

产品编号: D51192

CAS: 941678-49-5

分子式: C<sub>17</sub>H<sub>18</sub>N<sub>6</sub>

纯度: ≥98%

InChi: InChi=1S/C<sub>17</sub>H<sub>18</sub>N<sub>6</sub>/c18-7-5-15(12-3-1-2-4-12)23-10-13(9-22-23)16-14-6-8-19-17(14)21-11-20-16/h6,8-12,15H,1-5H2,(H,19,20,21)/t15-/m1/s1

InChi Key: HFNKQEVNSGCOJV-OAHLLOKOSA-N

Smiles: N#CC[C@H](C1CCCC1)N1C=C(C=N1)C1=NC=NC2NC=CC1=2

外观: 固体粉末

作用通路: Apoptosis

溶解性: Soluble in DMSO, not in water

保存条件: Store in dry, dark place for one year.

产品介绍: Ruxolitinib, also known as INC424 and INCB18424 or INCB018424, is an orally bioavailable Janus-associated kinase (JAK) inhibitor with potential antineoplastic and immunomodulating activities. Ruxolitinib specifically binds to and inhibits protein tyrosine kinases JAK 1 and 2, which may lead to a reduction in inflammation and an inhibition of cellular proliferation. The JAK-STAT (signal transducer and activator of transcription) pathway plays a key role in the signaling of many cytokines and growth factors and is involved in cellular proliferation, growth, hematopoiesis, and the immune response; JAK kinases may be upregulated in inflammatory diseases, myeloproliferative disorders, and various malignancies.

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分子量: 306.37

MDL: MFCD12031592

纯度: ≥98% (HPLC)

作用靶点: JAK; Autophagy; Mitophagy; Apoptosis;

作用通路: Epigenetics; JAK/STAT Signaling; Stem Cell/Wnt; Autophagy; Apoptosis;

介绍: 鲁索利替尼 (Ruxolitinib, INCB18424) 是有效的, 选择性的 JAK1/2 抑制剂, IC<sub>50</sub> 值分别为 3.3 nM 和 2.8 nM, 选择性是 JAK3 的 130 多倍。Ruxolitinib 诱导自噬 (autophagy), 通过毒性线粒体自噬 (mitophagy) 杀死肿瘤细胞。