

Cat No. 28-R52

INCB-018424

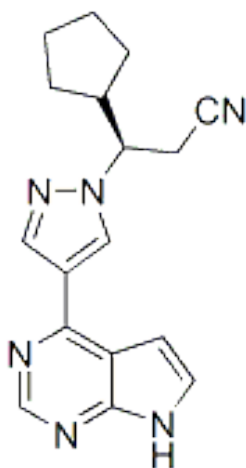


5mg

For research purposes only

INCB-018424, also known as Ruxolitinib, is a potent and selective inhibitor of Janus -associated kinase 1 and 2 (JAK1,2). It acts by blocking the JAK/STAT pathway. It is also shown to selectively inhibit a wide range of other kinases including JAK3.

TECHNICAL INFORMATION



Other Names: β-Cyclopentyl-4-(7H-pyrrolo[2, 3-d]pyrimidin-4-yl)-(βR)-1H-pyrazole-1-propanenitrile

Chemical Formula: C₁₇H₁₈N₆

CAS Number: 941678-49-5

Molecular Weight: 306.37

Purity: >99%

Appearance: Pale Yellow Crystalline Solid

Solubility: DMSO

IC₅₀ : JAK1 3nM, JAK2 5nM, JAK3 332nM

STORAGE AND HANDLING

Storage: Store at 4°C and protected from light. Following reconstitution, store aliquots at -20°C.

Stability: Stock solutions stable at -20°C for up to 2 years.

Shipping Conditions: Shipped at room temperature.

PRODUCT USE

Soluble in DMSO. Soluble at 20mg/ml.

REFERENCES

1. Mesa, R.A, et al. (2010). Ruxolitinib, a selective JAK1 and JAK2 inhibitor for the treatment of myeloproliferative neoplasms and psoriasis. IDrugs. 13:394-403.
2. Nagvi, K., et al. (2011). A potential role of ruxolitinib in leukemia. Expert Opin Investig Drugs. 20:1159-66.