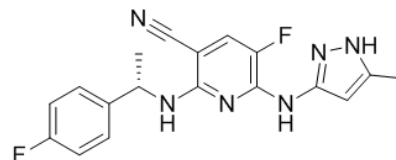


Product Name : AZ960
Cat. No. : PC-42571
CAS No. : 905586-69-8
Molecular Formula : C₁₈H₁₆F₂N₆
Molecular Weight : 354.3566464
Target : JAK
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

A potent, selective JAK2 inhibitor with K_i of 0.45 nM, IC_{50} of <3 nM; displays 3-fold selectivity over JAK3 (IC_{50} =9 nM); blocks STAT5 phosphorylation and potently inhibits cell proliferation (GI_{50} =25 nM) in TEL-JAK2 driven Ba/F3 cells, blocks BCL-XL, PIM1 and PIM2 mRNA expression and induces apoptosis; also induces growth arrest and apoptosis in adult T-cell leukemia cells; also inhibits parasite *Trypanosoma brucei* ERK8 (K_i =1.25 μ M) with antiparasitic activity (IC_{50} =120nM).

Blood Cancer
Preclinical

References

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Yang J, et al. Mol Cancer Ther. 2010 Dec;9(12):3386-95.

Valenciano AL, et al. Bioorg Med Chem. 2016 Oct 1;24(19):4647-4651.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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