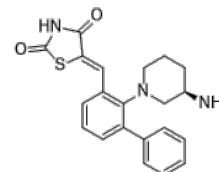


Product Name : AZD1208
Cat. No. : PC-22796
CAS No. : 1204144-28-4
Molecular Formula : C₂₁H₂₁N₃O₂S
Molecular Weight : 379.48
Target : Pim
Solubility : 10 mM in DMSO



Biological Activity

AZD1208 is a potent and selective, ATP-competitive pan-Pim kinase inhibitor with IC₅₀ of 0.4/5.0/1.9 nM for Pim-1/2/3, respectively.

AZD1208 has K_i values of 0.1 nM for Pim-1, 1.92 nM for Pim-2, and 0.4 nM for Pim-3.

AZD1208 inhibits AML cell-line growth and can induce cell-cycle arrest and apoptosis, accompanied by a dose-dependent reduction in phosphorylation of Bcl-2 antagonist of cell death, 4EBP1, p70S6K, and S6.

AZD1208 potently inhibits the level of pBAD with IC₅₀ of 10 nM for Pim-1, 151 nM for Pim-2, and 102 nM for Pim-3 in U2-OS cells.

AZD1208 (10 mg/kg or 30 mg/kg) inhibits the growth of MOLM-16 and KG-1a xenograft tumors in vivo.

References

Keeton EK,

Dakin LA, et al. Bioorg Med Chem Lett. 2012;22(14):4599–4604.

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

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