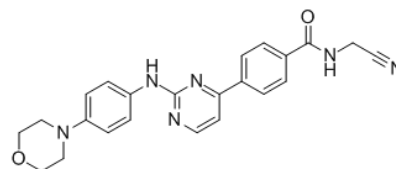


Product Name : CYT387
Cat. No. : PC-42751
CAS No. : 1056634-68-4
Molecular Formula : C₂₃H₂₂N₆O₂
Molecular Weight : 414.4598
Target : JAK
Solubility : DMSO: ≥ 40 mg/mL



Biological Activity

Momelotinib (CYT387) is a potent and selective **JAK1/JAK2** inhibitor with IC₅₀ of 11/18 nM. Momelotinib (CYT387) shows significantly less activity against other kinases, including JAK3 (IC₅₀=155 nM). Momelotinib (CYT387) inhibits JAK2V617F (JH1-JH2) with IC₅₀ of 11 nM. Momelotinib (CYT387) inhibits growth of Ba/F3-JAK2V617F and HEL cells (IC₅₀=1500 nM) or Ba/F3-MPLW515L cells (IC₅₀=200 nM).

References

- Pardanani A, et al. *Leukemia*. 2009 Aug;23(8):1441-5.
Burns CJ, et al. *Bioorg Med Chem Lett*. 2009 Oct 15;19(20):5887-92.
Tyner JW, et al. *Blood*. 2010 Jun 24;115(25):5232-40.

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

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