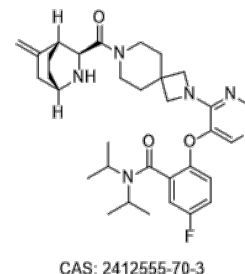


Product Name : Enzomenib
Cat. No. : PC-22768
CAS No. : 2412555-70-3
Molecular Formula : C₂₀H₂₀F₃N₅O₂
Molecular Weight : 419.41
Target : Histone Methyltransferase (HMTase)
Solubility : 10 mM in DMSO



Biological Activity

Enzomenib (DSP-5336) is a potent, and orally bioavailable **menin-MLL** interaction inhibitor with IC₅₀ of 1.4 nM, directly binds to the menin protein with K_d of 6 nM.

DSP-5336 selectively inhibited the cell growth of human leukemia cell lines including MV-4-11, MOLM-13, KOPN-8, and OCI-AML3 (IC₅₀ = 10, 15, 31 and 15 nM, respectively).

DSP-5336 did not affect the cell growth of human leukemia cell lines such as HL-60, MOLT-4, and Reh (IC₅₀ > 10 μM), which do not have MLL-r or NPM1 mutations.

DSP-5336 exhibited a significant antitumor activity at the doses of 25 mg/kg and 50 mg/kg, administered twice daily (BID) for 20 days, mouse xenograft model using MV-4-11 cells, which express MLL-AF4.

References

Ken Eguchi, et al. **Blood**, Volume 138, Supplement 1, 23 November 2021, Page 3339

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

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