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Data Sheet

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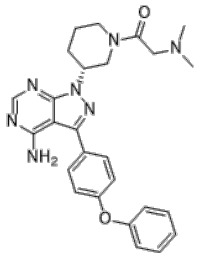
Product Name	:	CHMFL-FLT3-122
Cat. No.	:	PC-24328
CAS No.	:	1839150-56-9
Molecular Formula	:	$C_{26}H_{29}N_7O_2$
Molecular Weight	:	471.57
Target	:	FLT3
Solubility	:	10 mM in DMSO



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Biological Activity

CHMFL-FLT3-122 is a potent, selective and orally active **FLT3** kinase with IC50 of 40 nM, shows >10-fold selectivity over BTK (IC50=421 nM) and c-KIT (IC50=559 nM) kinases.
CHMFL-FLT3-122 demonstrates 170-fold selectivity between FLT3 kinase and c-KIT kinase (GI50 = 11 nM versus 1900 nM) in the TEL-fusion isogenic BaF3 cells.
CHMFL-FLT3-122 induces apoptosis by arresting the cell cycle into the G0/G1 phase.
CHMFL-FLT3-122 significantly inhibits the proliferation of FLT3-ITD positive AML cancer cell lines MV4-11 (GI50 = 22 nM), MOLM13/14 (GI50 = 21 nM/42 nM).
CHMFL-FLT3-122 demonstrates a good bioavailability (30%) and significantly suppressed the tumor growth in MV4-11 cell inoculated xenograft model (50 mg/kg) without exhibiting obvious toxicity.

References

Li X, et al. ***J Med Chem***. 2015 Dec 24;58(24):9625-38.

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

E-mail: tech@probechem.com