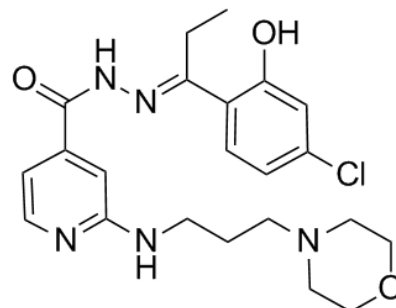


Product Name : M-110
Cat. No. : PC-43239
CAS No. : 1395048-49-3
Molecular Formula : C₂₂H₂₈ClN₅O₃
Molecular Weight : 445.9424
Target : Pim
Solubility : 10 mM in DMSO



Biological Activity

M-110 is a potent, selective inhibitor of PIM kinase family with preference for **PIM-3** with IC₅₀ of 0.047, 2.5 and 2.5 μM for PIM3, PIM1 and PIM2, respectively.

M-110 displays excellent selectivity in a panel of 261 kinases.

M-110 inhibits the growth of DU-145 cells with IC₅₀ of 0.9 μM, significantly reduces pSTAT3(Tyr705) expression without affecting the expression of STAT3.

M-110 also attenuates the IL-6-induced increase in pSTAT3(Tyr705), shows no effect on phosphorylation of STAT5 on Tyr694 in 22Rv1 cells.

References

Chang M, et al. *Mol Cancer Ther.* 2010 Sep;9(9):2478-87.

Siu A, et al. *Oncotarget.* 2011 Dec;2(12):1134-44.

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

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