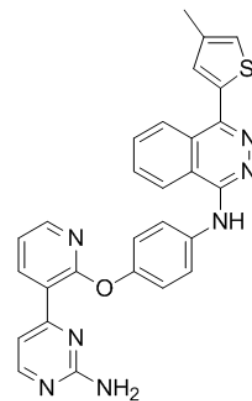


Product Name : AMG-900
Cat. No. : PC-43432
CAS No. : 945595-80-2
Molecular Formula : C₂₈H₂₁N₇OS
Molecular Weight : 503.58
Target : Aurora Kinase
Solubility : 10 mM in DMSO



Biological Activity

AMG-900 (AMG900) is a potent, highly selective, orally bioavailable **pan-Aurora kinase** inhibitor with IC₅₀ of 5, 4 and 1 nM for Aurora A, B and C, respectively.

AMG-900 displays excellent specificity in a panel of 26 kinases with exception of p38 α and TYK2 (IC₅₀=53 and 220 nM), also exhibits high affinity (K_d< 50 nM) with DDR1, DDR2, and LTK receptor tyrosine kinases.

AMG-900 blocks the proliferation of multiple human tumor cell lines including cell lines resistant to paclitaxel, AZD1152, MK-0457, and PHA-739358 with IC₅₀ of 0.7-5.3 nM.

AMG-900 blocks the phosphorylation of histone H3 in a dose-dependent manner and significantly inhibits the growth of HCT116 tumor xenografts.

References

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

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