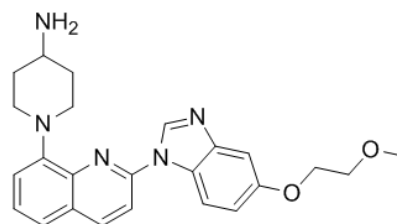


Product Name : CP-673451
Cat. No. : PC-42865
CAS No. : 343787-29-1
Molecular Formula : C₂₄H₂₇N₅O₂
Molecular Weight : 417.5035
Target : PDGFR
Solubility : 10 mM in DMSO



Biological Activity

CP-673451 is a potent, selective, orally active **PDGFR** inhibitor with IC₅₀ of 1 and 10 nM for PDGFR- α and PDGFR- β , respectively.

CP-673451 inhibits PDGFR- β autophosphorylation with IC₅₀ of 1 nM in cell-based assays, displays >450-fold selectivity over other angiogenic receptors, including VEGFR-1, VEGFR-2, TIE-2, and FGFR-2.

CP-673451 inhibits PDGFR phosphorylation in tumor xenografts and inhibits multiple types tumor growth in vivo.

CP-673451 also robustly inhibits centrosome clusterin, induces mitotic spindle multipolarity by activation of the actin-severing protein cofilin in cancer cells.

References

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Konotop G, et al. *Cancer Res.* 2016 Nov 15;76(22):6690-6700.

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

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