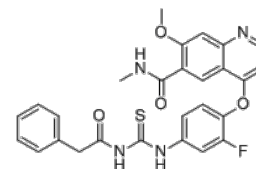

Product Name	: TAS-115
Cat. No.	: PC-63554
CAS No.	: 1190836-34-0
Molecular Formula	: C ₂₇ H ₂₃ FN ₄ O ₄ S
Molecular Weight	: 518.563
Target	: VEGFR
Solubility	: 100 mM in DMSO (51.8 mg/mL)



Biological Activity

TAS-115 (Pamufetinib) is a potent, dual **VEGFR2/c-Met** inhibitor with IC₅₀ of 30 and 32 nM against rVEGFR2 and rMET, respectively.

TAS-115 also inhibits PDGFR α/β , Axl, c-Kit, Src, FLT-1 in a 192-kinase panel assay.

TAS-115 markedly inhibits the tyrosine phosphorylation of VEGFR2 at 10 nM in VEGF-stimulated HUVECs, also inhibits the tyrosine phosphorylation of MET in MKN45 cells.

TAS-115 inhibits cellular proliferation of HUVECs under VEGF-dependent growth condition with IC₅₀ of 19 nM, with weak inhibition of growth (GI₅₀>10 μ M) in VEGFR signal- or MET signal-independent cells.

TAS-115 effectively suppresses the progression of MET-inactivated tumor by blocking angiogenesis in vivo.

References

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Yamada S, et al. *BMC Cancer.* 2017 May 16;17(1):334.

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

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