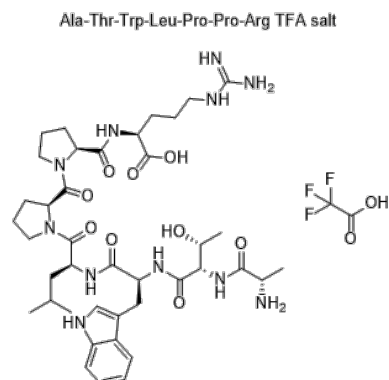


Product Name : ATWLPPR peptide TFA
Cat. No. : PC-27814
CAS No. :
Molecular Formula : C₄₂H₆₂F₃N₁₁O₁₁
Molecular Weight : 954.00
Target : VEGFR
Solubility : 10 mM in DMSO



Biological Activity

ATWLPPR peptide TFA (A7R, Ala-Thr-Trp-Leu-Pro-Pro-Arg) is a specific NRP-1 (Neuropilin 1, NRP1) inhibitor and effective antagonist of the VEGF165 binding to NRP-1 with IC₅₀ of 5.9 μM blocks vascular endothelial growth factor (VEGF)-mediated angiogenesis.

ATWLPPR completely abolished VEGF binding to cell-displayed kinase domain receptor (KDR/FLK1 or VEGFR-2).

ATWLPPR inhibits VEGF-mediated proliferation of human vascular endothelial cells, in a dose-dependent and endothelial cell type-specific manner.

ATWLPPR totally abolishes VEGF-induced angiogenesis in a rabbit corneal model.

References

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

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