

Product Data Sheet

Cat#: AP-337-U
Cat#: AP-337-B, Biotin labeled
Cat#: AP-337-F, FITC labeled

Product Description: VEGF-KDR

Aptamer Type: Peptide

Sequence: ATWLPPR; 7-mer

Size 5 mg

Mol. Wt: 886.11 g/mole

Purity: >95%

Affinity: ~80 μ M (reported value)

Comments: Reduces VEGF-induced angiogenesis and blocks VEGF-KDR interaction.

Notes: This peptide completely abolished VEGF binding to cell-displayed KDR. In vitro, this effect led to the inhibition of the VEGF-mediated proliferation of human vascular endothelial cells, in a dose-dependent and endothelial cell type-specific manner. In vivo, ATWLPPR totally abolished VEGF-induced angiogenesis in a rabbit corneal model.

References: Binetruy-Tournaire et al. "Identification of a peptide blocking vascular endothelial growth factor (VEGF)-mediated angiogenesis." *The EMBO Journal*, 19(2000): 1525-1533.

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