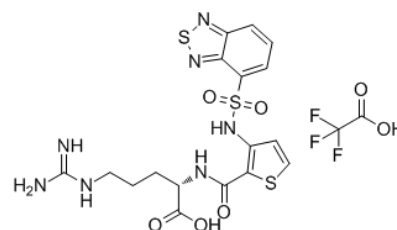


Product Name : EG00229
Cat. No. : PC-42701
CAS No. : 1210945-69-9
Molecular Formula : C₁₉H₂₀F₃N₇O₇S₃
Molecular Weight : 611.595
Target : VEGFR
Solubility : DMSO: ≥ 41.4 mg/mL



Biological Activity

EG00229 is the first small molecule ligand for the VEGF-A receptor neuropilin 1 (**NRP1**), selectively inhibits radiolabeled 125I-VEGF-A binding to PAE/NRP1 with IC₅₀ of 8 uM.

EG00229 inhibits bt-VEGF-A binding to purified NRP1 b1 domain in a cell-free assay with an IC₅₀ of 3 uM.

EG00229 shows no effect on VEGFA binding to VEGFR-1 and VEGFR-2.

EG00229 attenuates VEGFR2 phosphorylation and inhibits migration in endothelial cells.

References

Jarvis A, et al. *J Med Chem.* 2010 Mar 11;53(5):2215-26.

Nissen JC, et al. *J Neurochem.* 2013 Nov;127(3):394-402.

Miyauchi JT, et al. *Oncotarget.* 2016 Mar 1;7(9):9801-14.

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

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