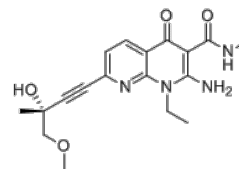


Product Name : SAR131675
Cat. No. : PC-73181
CAS No. : 1433953-83-3
Molecular Formula : C₁₈H₂₂N₄O₄
Molecular Weight : 358.39
Target : VEGFR
Solubility :



Biological Activity

SAR131675 is a potent and selective VEGFR3 inhibitor with IC₅₀ of 23 nM.

SAR131675 is highly selective for VEGFR-3 versus 107 receptors, enzymes, ion channels, and 65 kinases, and is moderately active on VEGFR-2.

SAR131675 inhibits VEGFR-3 tyrosine kinase activity and VEGFR-3 autophosphorylation in HEK cells with IC₅₀ values of 20 and 45 nM, respectively.

SAR131675 dose dependently inhibits the proliferation of primary human lymphatic cells, induced by the VEGFR-3 ligands VEGFC and VEGFD with IC₅₀ of 20 nM.

SAR131675 significantly reduces lymph node invasion and lung metastasis, exhibits antilymphangiogenic activity in vivo, significantly reduces TAM infiltration and aggregation in 4T1 tumors.

References

Alam A, et al. Mol Cancer Ther. 2012 Aug;11(8):1637-49.

Hwang SD, et al. Cell Death Dis. 2019 Mar 4;10(3):219.

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

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