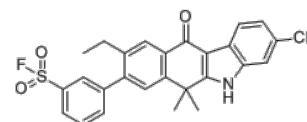


Product Name : SRPKIN-1
Cat. No. : PC-63234
CAS No. : 2089226-94-6
Molecular Formula : C₂₇H₂₁FN₂O₃S
Molecular Weight : 472.534
Target : SRPK
Solubility : 10 mM in DMSO



Biological Activity

SRPKIN-1 (JH-XI-05-01) is a potent, selective, covalent **SRPK1/2** inhibitor with IC₅₀ of 35.6/98 nM, respectively. SRPKIN-1 significantly attenuates SR protein phosphorylation in HeLa cells at 200 nM, switches VEGF splicing to produce the VEGF-A165b isoform (at 100 nM), converts the pro-angiogenic VEGF-A165a to the anti-angiogenic VEGF-A165b isoform, therefore functioning as an antagonist for VEGF-A165a to block angiogenesis. SRPKIN-1 blocks laser-induced neovascularization in a murine retinal model.

References

Hatcher JM, et al. *Cell Chem Biol.* 2018 Feb 14. pii: S2451-9456(18)30035-7.

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

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