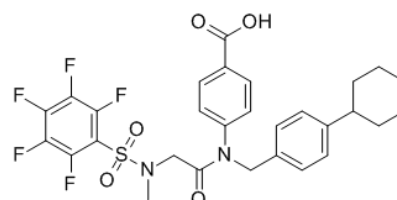


Product Name : SH-4-54
Cat. No. : PC-45109
CAS No. : 1456632-40-8
Molecular Formula : C₂₉H₂₇F₅N₂O₅S
Molecular Weight : 610.5921
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

A potent, BBB permeable, nonphosphorylated STAT3 inhibitor that strongly binds to STAT3 protein with K_d of 300 nM; potently kills glioblastoma brain cancer stem cells (BTSCs) and effectively suppresses STAT3 phosphorylation and its downstream transcriptional targets at low nM concentrations; potently suppresses glioma tumor growth, and inhibits pSTAT3 in vivo.

References

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Arpin CC, et al. Mol Cancer Ther. 2016 May;15(5):794-805.

Linher-Melville K, et al. PLoS One. 2016 Aug 11;11(8):e0161202.

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

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