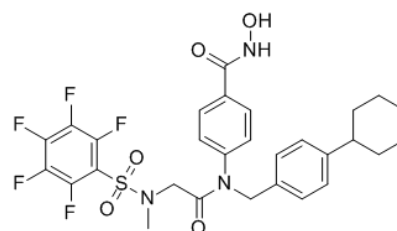


Product Name : SH5-07
Cat. No. : PC-42175
CAS No. : 1456632-41-9
Molecular Formula : C₂₉H₂₈F₅N₃O₅S
Molecular Weight : 625.6068
Target : STAT
Solubility : DMSO: 10 mM



Biological Activity

A potent, selective small-molecule STAT3 inhibitor with IC₅₀ of 3.9 μ M; preferentially inhibits Stat3:Stat3 DNA-binding activity, shows no inhibition of Stat1:Stat1 or Stat5:Stat5 activity; exerts pY705 Stat3 inhibition in human glioma, breast, and prostate cancer cells, blocks STAT3-dependent gene transcription along with Bcl-2, Bcl-xL, Mcl-1, cyclin D1, c-Myc, and survivin expression; decreases the proliferation and viability of glioma, breast, and prostate cancer cells and v-Src-transformed murine fibroblasts harboring constitutively active STAT3; effectively inhibits tumor growth in mouse xenograft models of glioma and breast cancer.

References

Yue P, et al. Cancer Res. 2016 Feb 1;76(3):652-63.

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

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