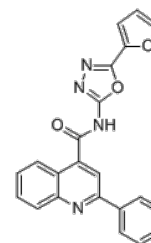


Product Name : STX-0119
Cat. No. : PC-49088
CAS No. : 851095-32-4
Molecular Formula : C₂₂H₁₄N₄O₃
Molecular Weight : 382.37
Target : STAT
Solubility : 10 mM in DMSO



Biological Activity

STX-0119 is a specific small molecule **STAT3** dimerization inhibitor, binds to STAT3-SH2 domain and inhibits STAT3 transcription in STAT3-dependent luciferase reporter gene assay in HeLa cells with IC₅₀ of 74 μ M.

STX-0119 selectively abrogates the DNA binding activity of STAT3 and suppressed the expression of STAT3-regulated oncoproteins such as c-myc and survivin in cancer cells.

STX-0119 (160 mg/kg sid, p.o.) effectively abrogated the growth of human lymphoma cells in a SCC-3 subcutaneous xenograft model without visible toxicity.

STX-0119 attenuates liver fibrosis by inactivating hepatic stellate cells in mice.

References

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Ashizawa T, et al. Int J Oncol. 2013 Jul;43(1):219-27.

Choi S, et al. Biochem Biophys Res Commun. 2019 May 21;513(1):49-55.

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

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