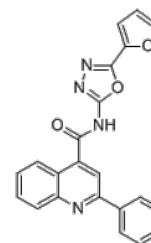


Product Name : STX-0119
Cat. No. : PC-49088
CAS No. : 851095-32-4
Molecular Formula : C₂₂H₁₄N₄O₃
Molecular Weight : 382.37
Target : STAT
Solubility : 10 mM in DMSO



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 uM. 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

- Matsuno K, et al. *ACS Med Chem Lett.* 2010 Jul 13;1(8):371-5.
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!

E-mail: tech@probechem.com