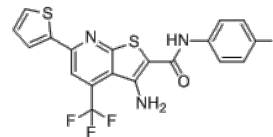


Product Name : FDI-6
Cat. No. : PC-36076
CAS No. : 313380-27-7
Molecular Formula : C₁₉H₁₁F₄N₃OS₂
Molecular Weight : 437.43
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

FDI-6 (FOXM1 inhibitor FDI6, NCGC00099374) is a small molecule inhibitor of **FOXM1** with IC₅₀ of 22.5 μM (FOXM1 DNA binding inhibition).

FDI-6 binds directly to FOXM1 protein, to displace FOXM1 from genomic targets in MCF-7 breast cancer cells, and induce concomitant transcriptional downregulation, inhibits growth of MCF-7 breast cancer cells with GI₅₀ of 18.0 μM.

FDI-6 specifically downregulates FOXM1-activated genes with FOXM1.

FDI-6 also can suppress pancreatic cancer cell proliferation and induces their apoptotic cell death, sensitizes pancreatic cancer cells to Etoposide and Gemcitabine induced apoptosis.

References

Gormally MV, et al. *Nat Commun.* 2014 Nov 12;5:5165.

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

E-mail: tech@probechem.com