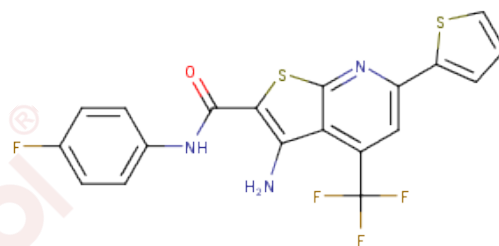


FDI-6

Chemical Properties

CAS No. : 313380-27-7
Formula: C₁₉H₁₁F₄N₃O₂
Molecular Weight: 437.43
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	FDI-6 is an effective and selective inhibitor of FOXM1 that blocks DNA binding. FDI-6(FDI6) binds to the FOXM1 protein and specifically downregulates FOXM1-activated genes.
Targets(IC50)	Others
In vitro	FDI-6 specifically downregulates FOXM1-activated genes with FOXM1 occupancy confirmed by CHIP-PCR. This small molecule-mediated effect is selective for FOXM1-controlled genes with no effect on genes regulated by homologous forkhead family factors.

Solubility Information

Solubility	DMSO: 50 mg/mL (114.3 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2861 mL	11.4304 mL	22.8608 mL
5 mM	0.4572 mL	2.2861 mL	4.5722 mL
10 mM	0.2286 mL	1.143 mL	2.2861 mL
50 mM	0.0457 mL	0.2286 mL	0.4572 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Gormally MV., et al. Suppression of the FOXM1 transcriptional programme via novel small molecule inhibition. Nat Commun. 2014 Nov 12;5:5165.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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