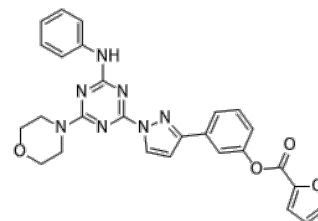


Product Name : STL001
Cat. No. : PC-22337
CAS No. : 3047493-70-6
Molecular Formula : C₂₇H₂₃N₇O₄
Molecular Weight : 509.53
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

STL001 is a small molecule inhibitor of forkhead box protein M1 (**FOXM1**), suppresses FOXM1 protein levels in a variety of solid tumor-derived cancer cell lines.

STL001 (1, 5, and 10 μM) resulting in a dose-dependent reduction of the cellular levels of FOXM1 protein in human solid tumor-derived cell lines with high FOXM1 expression levels, including ovarian cancer (OVCAR-8, ES-2), colorectal cancer (HCT-116, HCT-FET), esophageal cancer (FLO-1), hormone receptor-positive (TAM-R) and triple negative (HCC-1143) breast cancers, and prostate cancer (22Rv1, LNCaP).

STL001 induces the translocation of nuclear FOXM1 to the cytoplasm and promotes its autophagic degradation.

STL001-induced FOXM1 suppression sensitizes human cancers of different origin to a broad-spectrum of cancer therapies.

References

Raghuwanshi S, et al. *Cell Death Discov.* 2024 May 2;10(1):211.

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

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