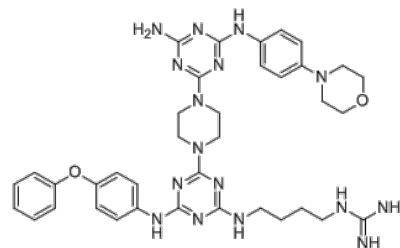


Product Name : MC-1-F2
Cat. No. : PC-20910
CAS No. : 2376894-10-7
Molecular Formula : C₃₇H₄₆N₁₆O₂
Molecular Weight : 746.89
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 2376894-10-7

Biological Activity

MC-1-F2 is the first inhibitor of forkhead box protein C2 (**FOXC2**) with K_d of 26 uM, induces cadherin switching and reverses EMT through the degradation of FOXC2, blocks FOXC2 nuclear localization.

MC-1-F2 is very effective in inhibiting cancer cell migration and invasion.

MC-1-F2 inhibits in vitro tumorigenicity of cancer cells in a FOXC2 expression-dependent manner.

MC-1-F2 has shown a decrease in mesenchymal markers, inhibition of cancer stem cell (CSC) properties and decrease in invasive capabilities of CRPC cell lines.

References

Castaneda M, et al. *Chembiochem*. 2018 Jul 4;19(13):1359-1364.

Castaneda M, et al. *Bioorg Med Chem Lett*. 2023 Jul 15;91:129369.

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

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