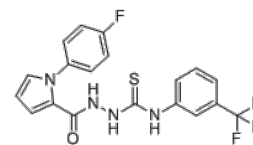


Product Name : SEW84
Cat. No. : PC-38267
CAS No. : 259089-67-3
Molecular Formula : C₁₉H₁₄F₄N₄OS
Molecular Weight : 422.402
Target : Heat Shock Protein (HSP)
Solubility : 10 mM in DMSO



Biological Activity

SEW84 (SEW04784) is a first-in-class, specific inhibitor of the **Aha1-stimulated Hsp90 (ASH) ATPase** activity (IC₅₀=0.3 uM) without inhibiting basal Hsp90 ATPase.

SEW84 binds to the C-terminal domain of Aha1 (K_d=1.7 uM) to weaken its asymmetric binding to Hsp90.

SEW84 inhibited the GR- and AR-dependent luciferase expression with IC₅₀ of 1.3 uM and 0.7 uM respectively.

SEW84 blocks Aha1-dependent Hsp90 chaperoning activities, including the in vitro and in vivo refolding of firefly luciferase, and the transcriptional activity of the androgen receptor in cell-based models of prostate cancer.

SEW84 promotes the clearance of phosphorylated tau in cellular and tissue models of neurodegenerative tauopathy.

References

Jay K Singh, et al. **Cell Chem Biol.** 2020 Mar 19;27(3):292-305.e6.

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

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