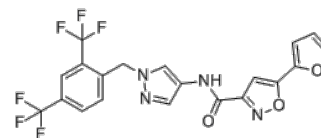


Product Name : Ceapin-A7
Cat. No. : PC-73217
CAS No. : 2323027-38-7
Molecular Formula : C₂₀H₁₂F₆N₄O₃
Molecular Weight : 470.33
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Ceapin-A7 is a selective inhibitor of **ATF6α** with IC₅₀ of 0.59 μM, selective over ATF6β, PERK and other branches of the unfolded protein response (UPR).

Ceapin-A7 inhibits ER stress-induced upregulation of BiP in vitro.

Ceapin-A7 inhibits cleavage and functional activation of endogenous ATF6 in response to ER stress in vitro.

Ceapin-A7 could phenocopy the results obtained using genetic ablation of ATF6α in mouse models.

Ceapin-A7 is a first-in-class series of ATF6α inhibitors that selectively blocks ATF6α and not ATF6β, SREBP or other UPR branches.

References

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Mufrih M, et al. *mSphere*. 2021 Jun 30;6(3):e0036121.

Ma M, et al. *iScience*. 2021 Jun 28;24(7):102791.

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

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