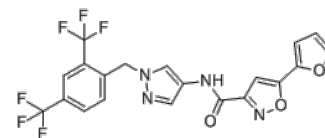


**Product Name** : Ceapin A7  
**Cat. No.** : PC-73217  
**CAS No.** : 2323027-38-7  
**Molecular Formula** : C<sub>20</sub>H<sub>12</sub>F<sub>6</sub>N<sub>4</sub>O<sub>3</sub>  
**Molecular Weight** : 470.33  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



## Biological Activity

Ceapin A7 is a selective inhibitor of ATF6 $\alpha$  with IC<sub>50</sub> of 0.59  $\mu$ M, selective over ATF6 $\beta$ , 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 ATF6 $\alpha$  in mouse models.

Ceapin-A7 is a first-in-class series of ATF6 $\alpha$  inhibitors that selectively blocks ATF6 $\alpha$  and not ATF6 $\beta$ , 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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