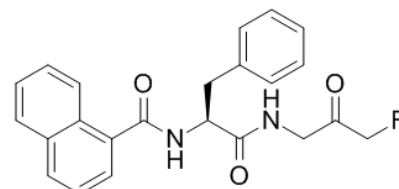


**Product Name** : FMK-9a  
**Cat. No.** : PC-42186  
**CAS No.** : 1955550-51-2  
**Molecular Formula** : C<sub>23</sub>H<sub>21</sub>FN<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 392.4229  
**Target** : Autophagy-related Protein (Atg)  
**Solubility** : DMSO: ≥ 150 mg/mL



## Biological Activity

FMK-9a (FMK9a) is a potent, selective, covalent peptidomimetic inhibitor of **ATG4B (Autophagin-1)** with IC<sub>50</sub> of 80 nM in TR-FRET assay.

FMK-9a displays no activity against the aspartic protease, serine proteases, metalloproteases and the 20S proteasome, inhibits cathepsin B and calpain with submicromolar IC<sub>50</sub> (0.1-0.2 μM).

FMK-9a covalently binds to Cys74 and inactivates ATG4B proteolytic activity, has an IC<sub>50</sub> of 15 nM in the cellular LRA assay.

## References

Qiu Z, et al. *ACS Med Chem Lett.* 2016 Jun 25;7(8):802-6.

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

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