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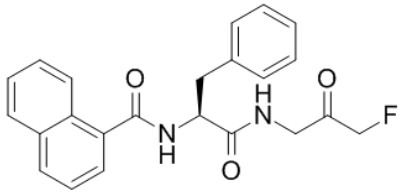
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	FMK-9a
Cat. No.	:	PC-42186
CAS No.	:	1955550-51-2
Molecular Formula	:	$C_{23}H_{21}FN_2O_3$
Molecular Weight	:	392.4229
Target	:	Autophagy-related Protein (Atg)
Solubility	:	DMSO: ≥ 150 mg/mL



Biological Activity

FMK-9a (FMK 9a) is a potent, selective, covalent peptidomimetic inhibitor of **ATG4B (Autophagin-1)** with IC50 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 IC50 (0.1-0.2 uM).
FMK-9a covalently binds to Cys74 and inactivates ATG4B proteolytic activity, has an IC50 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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