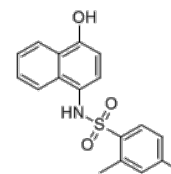


Product Name : ATG12-ATG3 inhibitor 189
Cat. No. : PC-20824
CAS No. : 333351-38-5
Molecular Formula : C₁₈H₁₇NO₃S
Molecular Weight : 327.40
Target : Autophagy-related Protein (Atg)
Solubility : 10 mM in DMSO



CAS: 333351-38-5

Biological Activity

ATG12-ATG3 inhibitor 189 (Compound 189) is a selective inhibitor of autophagy targeting **ATG12-ATG3 protein-protein interaction** with IC₅₀ of 9.3 uM.

ATG12-ATG3 inhibitor 189 (Compound 189) reduces the levels of lipidated LC3B (LC3B-II) relative to the unlipidated form (LC3B-I) upon induction of autophagosomes with torin1 and CQ.

ATG12-ATG3 inhibitor 189 (Compound 189) (5 uM) reduces autophagy levels and the growth of autophagy-addicted pancreatic PANC1 and NCI-H460 cell lines.

ATG12-ATG3 inhibitor 189 (Compound 189) displays a selective inhibitory effect on the growth of autophagy addicted tumor cells and inhibited secretion of IL1B/IL-1β (interleukin 1 beta) by macrophage-like cells.

References

Gal Chaim Nuta, et al. **Autophagy**. 2023 Feb 22;1-14.

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

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