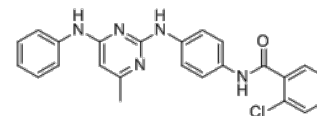


Product Name : Aumitin
Cat. No. : PC-35046
CAS No. : 946293-78-3
Molecular Formula : C₂₄H₂₀ClN₅O
Molecular Weight : 429.908
Target : Autophagy
Solubility : 10 mM in DMSO



Biological Activity

Aumitin is a novel potent **autophagy** inhibitor with IC₅₀ of 124 and 244 nM against starvation- and rapamycin- induced autophagy respectively, targets **mitochondrial complex I**.

Aumitin inhibits LC3 lipidation, and p62 degradation by starvation- as well as rapamycin-induced autophagy dose-dependently in MCF7-LC3 cells, suggesting inhibition of autophagic flux.

Aumitin inhibits mitochondrial respiration by targeting complex I with IC₅₀ of 0.11 uM in HeLa cells.

Aumitin is a new tool compound for interrogating autophagy and mitochondrial respiration by means of complex I inhibition.

References

Robke L, et al. *Chem Sci*. 2018 Feb 26;9(11):3014-3022.

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

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