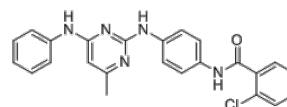


Product Name	: Aumitin
Synonyms	: Aumitin
Cat No.	: M16783
CAS Number	: 946293-78-3
Molecular Formula	: C ₂₄ H ₂₀ ClN ₅ O
Formula Weight	: 429.91
Chemical Name	: 2-chloro-N-(4-((4-methyl-6-(phenylamino)pyrimidin-2-yl)amino)phenyl)benzamide



Description	: Aumitin is a novel potent autophagy inhibitor with IC ₅₀ of 124 and 244 nM against starvation- and rapamycin- induced autophagy respectively, targets mitochondrial complex I; 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; inhibits mitochondrial respiration by targeting complex I with IC ₅₀ 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.
Pathway	: Autophagy
Target	: Autophagy
Receptor	: Autophagy
Solubility	: —
SMILES	: <chem>O=C(NC1=CC=C(NC2=NC(NC3=CC=CC=C3)=CC(C)=N2)C=C1)C4=CC=CC=C4Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

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