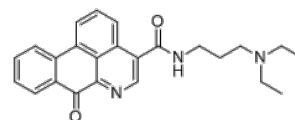


Product Name : S130
Cat. No. : PC-35632
CAS No. : 1160852-22-1
Molecular Formula : C₂₄H₂₅N₃O₂
Molecular Weight : 387.483
Target : Autophagy-related Protein (Atg)
Solubility : 10 mM in DMSO



Biological Activity

S130 (ATG4B inhibitor S130) is a potent, specific **ATG4B** inhibitor with IC₅₀ of 3.24 μ M, shows strong affinity (K_d=4 μ M) and specifically suppresses the activity of ATG4B, but not other proteases.

S130 displays no inhibitory effects on cysteine proteases such as CASP3 (caspase 3), CASP8 (caspase 8) and CASP9 (caspase 9), or aspartic proteases.

S130 does not cause the impairment of autophagosome fusion, nor does it result in the dysfunction of lysosomes.

S130 causes cell death of colorectal cancer cells in vitro and in vivo.

References

Fu Y, et al. **Autophagy**. 2018 Sep 3. doi: 10.1080/15548627.2018.1517073.

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

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