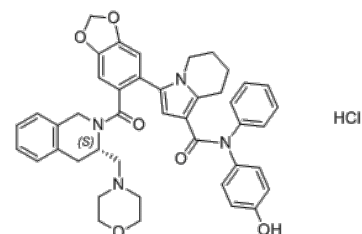


Product Name : S55746 hydrochloride
Cat. No. : PC-63501
CAS No. : 1448525-91-4
Molecular Formula : C₄₃H₄₃ClN₄O₆
Molecular Weight : 747.289
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

S55746 (BCL201, Servier-1) hydrochloride is a novel potent, selective, orally bioavailable inhibitor of **BCL-2** with K_i of 1.3 nM, 70- 400 fold selectivity over BCL-XL, on significant binding to MCL-1 and BFL-1.

S55746 potently induces RS4;11 cell killing after 72 h of treatment with an IC_{50} of 71.6 nM, exhibits a much weaker activity in H146 (IC_{50} 1.7 μ M), a BCL-XL-dependent cell line.

S55746 concentration-dependently disrupts the BCL-2/BAX complex in RS4;11 cells, selectively induces apoptosis through BCL-2 inhibition in a BAX/BAK-dependent manner.

S55746 induces cell death in a panel of non-Hodgkin lymphoma cells; inhibits xenograft growth in RS4;11 and Toledo models.

References

Casara P, et al. *Oncotarget*. 2018 Apr 13;9(28):20075-20088.

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

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