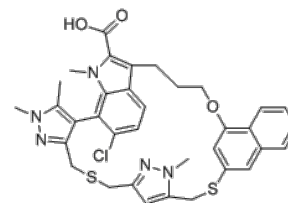


Product Name : AZD5991
Cat. No. : PC-61404
CAS No. : 2143061-81-6
Molecular Formula : C₃₅H₃₄ClN₅O₃S₂
Molecular Weight : 672.259
Target : Bcl-2
Solubility : 10 mM in DMSO



Biological Activity

AZD5991 (AZD-5991) is a potent and selective macrocyclic inhibitor of **Mcl-1** with sub-nanomolar affinity (SPR K_d=0.17 nM).

AZD5991 promotes rapid apoptosis in Mcl-1-dependent cell lines (GI₅₀=10 nM in multiple myeloma cell lines), disrupts Mcl-1/Bak complex.

AZD5991 completely causes tumor regression in several mouse xenograft models after a single tolerated dose.

References

Alexander W. Hird, et al. Abstract DDT01-02: AZD5991: A potent and selective macrocyclic inhibitor of Mcl-1 for treatment of hematologic cancers, **AACR**. DOI: 10.1158/1538-7445.

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

E-mail: tech@probechem.com