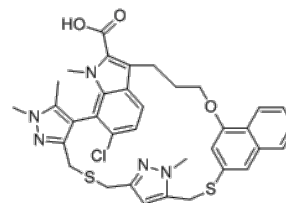


**Product Name** : AZD 5991  
**Cat. No.** : PC-61404  
**CAS No.** : 2143061-81-6  
**Molecular Formula** : C<sub>35</sub>H<sub>34</sub>ClN<sub>5</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 672.259  
**Target** : Bcl-2  
**Solubility** : 10 mM in DMSO



### Biological Activity

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

AZD 5991 promotes rapid apoptosis in Mcl-1-dependent cell lines (GI<sub>50</sub>=10 nM in multiple myeloma cell lines), disrupts Mcl-1/Bak complex.

AZD 5991 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!**

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