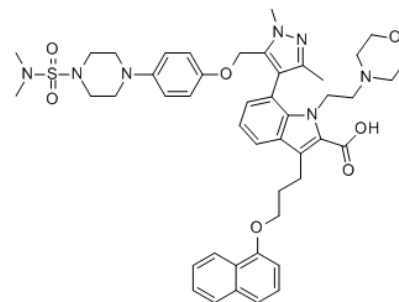


**Product Name** : A-1210477  
**Cat. No.** : PC-43048  
**CAS No.** : 1668553-26-1  
**Molecular Formula** : C<sub>46</sub>H<sub>55</sub>N<sub>7</sub>O<sub>7</sub>S  
**Molecular Weight** : 850.0366  
**Target** : Bcl-2  
**Solubility** : DMSO: < 4.8 mg/mL



## Biological Activity

A-1210477 is a potent, selective **Mcl-1** inhibitor that binds to Mcl-1 (K<sub>i</sub>=0.45 nM) to disrupt MCL-1-BIM complexes, showing much weaker activity against Bcl-2 (K<sub>i</sub>=132 nM) and Bcl-XL (K<sub>i</sub>>660 nM).

A-1210477 induces the hallmarks of intrinsic apoptosis and demonstrates single agent killing of multiple myeloma and non-small cell lung cancer cell lines.

A-1210477 synergizes with the BCL-2/BCL-XL inhibitor navitoclax to kill a variety of cancer cell lines.

A-1210477 also enhances cobimetinib-induced apoptosis in vitro.

## References

Leverson JD, et al. *Cell Death Dis.* 2015 Jan 15;6:e1590.

Xiao Y, et al. *Mol Cancer Ther.* 2015 Aug;14(8):1837-47.

Phillips DC, et al. *Blood Cancer J.* 2015 Nov 13;5:e368.

Karpel-Massler G, et al. *Cancer Res.* 2017 Jul 1;77(13):3513-3526.

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

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