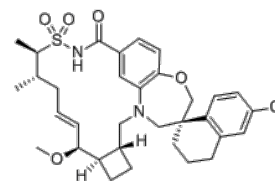


**Product Name** : AMG176  
**Cat. No.** : PC-70089  
**CAS No.** : 1883727-34-1  
**Molecular Formula** : C<sub>33</sub>H<sub>41</sub>ClN<sub>2</sub>O<sub>5</sub>S  
**Molecular Weight** : 613.21  
**Target** : Bcl-2  
**Solubility** : 10 mM in DMSO



## Biological Activity

AMG176 (Tapotoclax, AMG-176) is a novel, potent and selective **Mcl-1** inhibitor that binds with high affinity ( $K_i=0.06$  nM) and selectivity to the BH3-binding groove of Mcl-1.

AMG-176 disrupts the interaction between Mcl-1 and Bak, leading to downstream activation of the intrinsic apoptosis pathway in a cell based split-luciferase complementation assay ( $IC_{50}=43$  nM).

AMG-176 shows robust anti-tumor activity in Mcl-1 dependent cancer models.

AMG-176 is orally bioavailable.

## References

Sean R. Caenepeel, et al. AACR Annual Meeting 2017; April 1-5, 2017.

2, Caenepeel S, et al. **Cancer Discov.** 2018 Dec;8(12):1582-1597.

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

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