SL-01. Mcl-1 Apoptosis

ASINEX
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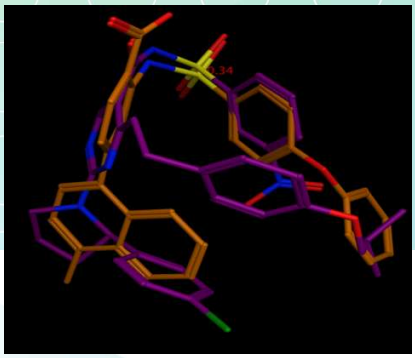
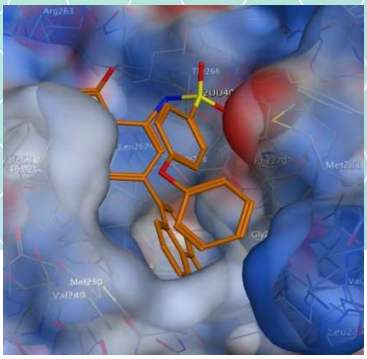
Apoptosis is now considered an attractive mechanism underlying a new strategy in the treatment of cancer. Compounds interacting with the Bcl-2 family of proteins are critical regulators of the apoptotic process; therefore, they can be used as anticancer agents. However, their therapeutic value is undermined by significant toxicity issues. As a result, interest has grown in compounds that can selectively target a single Bcl-2 family member (such as Bcl-2 or Bcl-xL) with low toxicity. Myeloid cell leukemia 1 (Mcl-1), is overexpressed in various cancers. We were able to find several acylsulfonamide derivatives with Mcl-1 binding potency and improved physico-chemical characteristics [1,2].





Signature Library 01

Formats	Supplementary Information
80 compounds per plate	IC_{50} [Mcl-1-BidBH3]
0.1 mg; 1 mg; 2 mg dry film/powder	Solubility data in PBS
0.1 µmol; 1 µmol DMSO solutions	SL#1_Mcl-1_04-16.sdf

References:

1. *J Med Chem*. 2016 Mar 10;59(5):2054-66. doi: 10.1021/acs.jmedchem.5b01660
2. *J Med Chem.* 2015 Mar 12;58(5):2180-94. doi: 10.1021/jm501258m

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