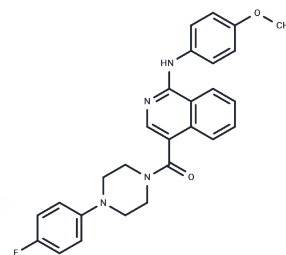


## Mcl-1 inhibitor 17

## Chemical Properties

CAS No. :	892250-00-9
Formula:	C <sub>27</sub> H <sub>25</sub> FN <sub>4</sub> O <sub>2</sub>
Molecular Weight:	456.51
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Mcl-1 inhibitor 17 is an effective inhibitor of the Mcl-1 protein. Mcl-1 is a critical anti-apoptotic member of the Bcl-2 family, frequently overexpressed in various malignancies, where it suppresses apoptosis by sequestering pro-apoptotic proteins such as Bak and Bax. Mcl-1 inhibitor 17 functions by competitively binding to the BH3-binding groove of Mcl-1, thereby releasing pro-apoptotic factors and restoring apoptotic sensitivity in cancer cells. This compound is utilized for research into cancer and other diseases associated with Mcl-1 dysregulation.
Targets(IC50)	Bcl-2 Family

## Solubility Information

Solubility	DMSO: 80 mg/mL (175.24 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1905 mL	10.9527 mL	21.9053 mL
5 mM	0.4381 mL	2.1905 mL	4.3811 mL
10 mM	0.2191 mL	1.0953 mL	2.1905 mL
50 mM	0.0438 mL	0.2191 mL	0.4381 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Menn B, et al. Delayed treatment with systemic (S)-roscovitine provides neuroprotection and inhibits in vivo CDK5 activity increase in animal stroke models. PLoS One. 2010 Aug 12;5(8):e12117.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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