

MSN-125

## Chemical Properties

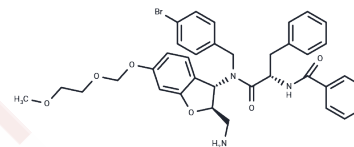
CAS No. : 1592908-16-1

Formula: C<sub>36</sub>H<sub>38</sub>BrN<sub>3</sub>O<sub>6</sub>

Molecular Weight: 688.61

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	MSN-125 effectively inhibits Bax/Bak-mediated apoptosis in HCT-116, BMK Cells, and primary cortical neurons protect primary neurons against glutamate excitotoxicity. MSN-125 is an effective Bax and Bak oligomerization inhibitor. MSN-125 prevents mitochondrial outer membrane permeabilization (MOMP) (IC <sub>50</sub> : 4 μM).
Targets(IC <sub>50</sub> )	Apoptosis, Bcl-2 Family, Akt
In vitro	MSN-125 suppresses tBid/Bax-mediated MOMP in a concentration-dependent manner.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4522 mL	7.261 mL	14.522 mL
5 mM	0.2904 mL	1.4522 mL	2.9044 mL
10 mM	0.1452 mL	0.7261 mL	1.4522 mL
50 mM	0.029 mL	0.1452 mL	0.2904 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

Niu X, et al. A Small-Molecule Inhibitor of Bax and Bak Oligomerization Prevents Genotoxic Cell Death and Promotes Neuroprotection. CellChem Biol. 2017 Apr 20;24(4):493-506.e5.

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