

Bcl-2-IN-7

## Chemical Properties

CAS No. :

Formula: C<sub>24</sub>H<sub>22</sub>N<sub>4</sub>O<sub>5</sub>S<sub>2</sub>

Molecular Weight: 510.59

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	Bcl-2-IN-7 is a potent inhibitor of Bcl-2 (b-cell lymphoma-2), which can downregulate the expression of Bcl-2, increase the expression of p53, Bax, caspase-7 mRNA, and induce cell cycle arrest and apoptosis in MCF-7 cells of breast cancer. Bcl2-IN-7 showed good antitumor activity against MCF-7 cells (IC <sub>50</sub> : 20.17 μM), LoVo cells (IC <sub>50</sub> : 22.64 μM), HepG2 cells (IC <sub>50</sub> : 45.57 μM) and A549 cells (IC <sub>50</sub> : 51.50 μM).
Targets(IC <sub>50</sub> )	Apoptosis,Bcl-2 Family,Others,Caspase,MDM-2/p53

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9585 mL	9.7926 mL	19.5852 mL
5 mM	0.3917 mL	1.9585 mL	3.917 mL
10 mM	0.1959 mL	0.9793 mL	1.9585 mL
50 mM	0.0392 mL	0.1959 mL	0.3917 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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