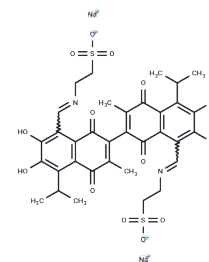


Ch282-5

## Chemical Properties

CAS No. : 65891-87-4  
 Formula: C<sub>34</sub>H<sub>34</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>14</sub>S<sub>2</sub>  
 Molecular Weight: 804.75  
 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	Ch282-5, an orally active inhibitor targeting the Bcl-2 protein, promotes mitochondria-dependent apoptosis (Apoptosis) by disrupting mitophagy and the mTOR pathway. It demonstrates antiproliferative effects on colorectal cancer cells, effective both in vitro and in vivo, while also inhibiting metastasis. Further, Ch282-5 augments Oxaliplatin-induced autophagy (Autophagy) by downregulating Mcl-1 protein and raising platelet count, which helps mitigate the adverse effects of Navitoclax.
Targets(IC50)	Apoptosis,Bcl-2 Family,Autophagy

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2426 mL	6.2131 mL	12.4262 mL
5 mM	0.2485 mL	1.2426 mL	2.4852 mL
10 mM	0.1243 mL	0.6213 mL	1.2426 mL
50 mM	0.0249 mL	0.1243 mL	0.2485 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**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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