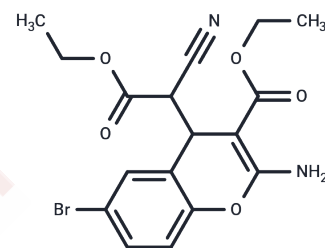


HA-14-1

## Chemical Properties

CAS No. : 927635-64-1  
 Formula: C<sub>17</sub>H<sub>17</sub>BrN<sub>2</sub>O<sub>5</sub>  
 Molecular Weight: 409.2  
 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	HA-14-1, a small molecule, binds the surface pocket of Bcl-2 proteins (IC <sub>50</sub> = ~ 9 μM), including Bcl-xl and Bcl-W, and disrupts their interaction with the Bak peptide. This action induces apoptosis by activating Apaf-1 and caspase-9 and -3. Additionally, HA-14-1 effectively induces apoptosis in human acute myeloid leukemia (HL-60) cells, with a 50 μM concentration resulting in a 90% loss of cell viability.
Targets(IC <sub>50</sub> )	Bcl-2 Family,Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4438 mL	12.219 mL	24.4379 mL
5 mM	0.4888 mL	2.4438 mL	4.8876 mL
10 mM	0.2444 mL	1.2219 mL	2.4438 mL
50 mM	0.0489 mL	0.2444 mL	0.4888 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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