

FB49

## Chemical Properties

CAS No. :

Formula: C17H18N2O6S

Molecular Weight: 378.4

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	FB49 is a selective Bcl-2-associated athanogene 3 (BAG3) inhibitor with a $K_i$ of 45 $\mu$ M. It inhibits the proliferation of human tumoral cells without affecting the viability of human peripheral mononuclear cells. Additionally, FB49 arrests the cell cycle at the G1 phase and induces apoptosis and autophagy in treated medulloblastoma HD-MB03 cells [1].
Targets(IC50)	Apoptosis, Autophagy

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6427 mL	13.2135 mL	26.4271 mL
5 mM	0.5285 mL	2.6427 mL	5.2854 mL
10 mM	0.2643 mL	1.3214 mL	2.6427 mL
50 mM	0.0529 mL	0.2643 mL	0.5285 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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