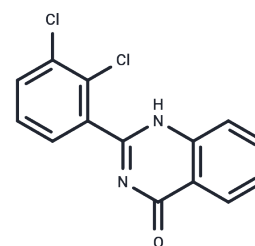


Apoptosis inducer 40

Chemical Properties

CAS No. : 83800-90-2
 Formula: C₁₄H₈Cl₂N₂O
 Molecular Weight: 291.13
 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	Apoptosis inducer40 is an apoptosis (apoptosis) inducer that exhibits potent cytotoxic effects on Jurkat and NB4 cells, with IC ₅₀ values of 4.5 μM and 3.6 μM, respectively. It promotes apoptosis and arrests the cell cycle, making it applicable for cancer research, particularly in the study of acute myeloid leukemia (AML).
Targets(IC ₅₀)	Apoptosis
In vitro	Apoptosis inducer 40 (Compound 17) at concentrations of 0.8-50 μM over 24-72 hours reduces the viability of Jurkat and NB4 cells in a time-dependent manner. At 0.6-10 μM for 48 hours, it induces apoptosis in these cells. Additionally, at 3.6-4.5 μM from 0-48 hours, it causes G ₀ /G ₁ phase arrest in Jurkat cells and S phase arrest in NB4 cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4349 mL	17.1745 mL	34.3489 mL
5 mM	0.687 mL	3.4349 mL	6.8698 mL
10 mM	0.3435 mL	1.7174 mL	3.4349 mL
50 mM	0.0687 mL	0.3435 mL	0.687 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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