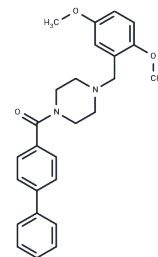


AMC-04

Chemical Properties

CAS No. : 792928-94-0
 Formula: C₂₆H₂₈N₂O₃
 Molecular Weight: 416.51
 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	AMC-04 is a protein response (UPR) activator that initiates the UPR pathway via ROS and p38 MAPK signaling, leading to apoptotic cell death. It is used in cancer research [1].
Targets(IC50)	Reactive Oxygen Species,p38 MAPK
In vitro	AMC-04 (10-40 μM, 24-48 h) induces apoptosis in MCF-7 cells in a time- and dose-dependent manner, upregulates endoplasmic reticulum stress response genes and CHOP-dependent DR5, and inhibits H3K9 methyltransferase activity [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4009 mL	12.0045 mL	24.009 mL
5 mM	0.4802 mL	2.4009 mL	4.8018 mL
10 mM	0.2401 mL	1.2005 mL	2.4009 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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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