

PKM2/PDK1-IN-1

Chemical Properties

CAS No. :

Formula: C36H43NO7S3

Molecular Weight: 697.92

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	PKM2/PDK1-IN-1, a shikonin thioether derivative, serves as a dual inhibitor for PKM2/PDK1. This compound effectively inhibits the proliferation and induces apoptosis in NSCLC cells. It promotes intercellular ROS production and modulates apoptotic proteins, engaging in both mitochondrial and death receptor pathways [1].
Targets(IC50)	Apoptosis,EGFR,Others,Akt,PDK,PKM

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4328 mL	7.1641 mL	14.3283 mL
5 mM	0.2866 mL	1.4328 mL	2.8657 mL
10 mM	0.1433 mL	0.7164 mL	1.4328 mL
50 mM	0.0287 mL	0.1433 mL	0.2866 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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