

ROCK/HDAC-IN-2

Chemical Properties

CAS No. :

Formula: C₂₂H₃₂N₄O₄S

Molecular Weight: 448.58

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	ROCK/HDAC-IN-2 (Compound C-9) is a dual inhibitor of ROCK/HDAC, characterized by IC ₅₀ values of 0.185 μM for HDAC6, 0.8 μM for ROCK1, and 0.7 μM for ROCK2. It effectively induces apoptosis and mitochondrial membrane potential alterations in cancer cells and demonstrates notable antitumor activity, making it useful for research in pancreatic ductal adenocarcinoma (PDAC) and triple-negative breast cancer (TNBC).
Targets(IC ₅₀)	Apoptosis,HDAC,ROCK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2293 mL	11.1463 mL	22.2926 mL
5 mM	0.4459 mL	2.2293 mL	4.4585 mL
10 mM	0.2229 mL	1.1146 mL	2.2293 mL
50 mM	0.0446 mL	0.2229 mL	0.4459 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481