

ROCK/HDAC-IN-1

Chemical Properties

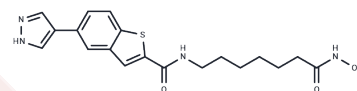
CAS No. :

Formula: C19H22N4O3S

Molecular Weight: 386.47

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-1 (Compound 10h) serves as an orally effective inhibitor of ROCK/HDAC. This compound suppresses ROCK1/2 (IC50: 254.9 nM, 58.18 nM) and HDAC1/2/3/6/8 (IC50: 9.09, 8.03, 6.26, 0.41, 7.69 nM). It stimulates the activation of DAMPs, notably calreticulin (CRT) exposure and HMGB1 release, suggesting its potential as an inducer of immunogenic cell death (ICD). ROCK/HDAC-IN-1 exhibits antiproliferative effects against breast cancer cells (IC50: 0.37 μM for MDA-MB-231 cells), inhibits tumor growth, activates T cells, and shows no significant toxicity.
Targets(IC50)	Epigenetic Reader Domain,HDAC,ROCK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5875 mL	12.9376 mL	25.8752 mL
5 mM	0.5175 mL	2.5875 mL	5.175 mL
10 mM	0.2588 mL	1.2938 mL	2.5875 mL
50 mM	0.0518 mL	0.2588 mL	0.5175 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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