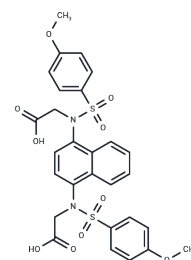


CPUY192018

Chemical Properties

CAS No. : 1567836-15-0
 Formula: C₂₈H₂₆N₂O₁₀S₂
 Molecular Weight: 614.64
 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	CPUY192018 is an inhibitor of Keap1-Nrf2 protein-protein interactions and shows cytoprotective effects in NCM460 colon cells. CUY192018 inhibits glycolysis, enhances resistance to oxidative stress, and can be used to study mitochondrial autophagy.
Targets(IC50)	Apoptosis, Others, NF-κB, Nrf2, ROS

Solubility Information

Solubility	DMSO: 200 mg/mL (325.39 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.627 mL	8.1348 mL	16.2697 mL
5 mM	0.3254 mL	1.627 mL	3.2539 mL
10 mM	0.1627 mL	0.8135 mL	1.627 mL
50 mM	0.0325 mL	0.1627 mL	0.3254 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.

Reference

Lee S, et al. Structure-activity relationships of 1,4-bis(arylsulfonamido)-benzene or naphthalene-N,N'-diacetic acids with varying C2-substituents as inhibitors of Keap1-Nrf2 protein-protein interaction. Eur J Med Chem. 2022; 237:114380.

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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