

GI-Y2

Chemical Properties

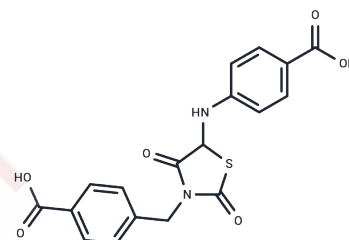
CAS No. : 1008710-58-4

Formula: C₁₈H₁₄N₂O₆S

Molecular Weight: 386.379

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	GI-Y2 is a GSDMD inhibitor that suppresses macrophage pyroptosis induced by oxidized low-density lipoprotein (ox-LDL). In vivo, GI-Y2 dose-dependently reduces atherosclerotic plaques and decreases lesion size and fibrosis in the aortic root of ApoE ^{-/-} mice. GI-Y2 holds potential for research in pyroptosis and cardiovascular diseases, such as atherosclerosis.
Targets(IC50)	Pyroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5881 mL	12.9406 mL	25.8813 mL
5 mM	0.5176 mL	2.5881 mL	5.1763 mL
10 mM	0.2588 mL	1.2941 mL	2.5881 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 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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