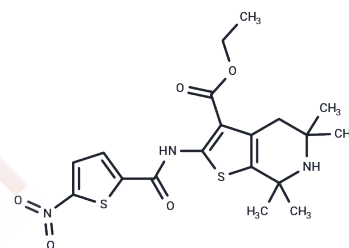


NPC26

Chemical Properties

CAS No. : 864860-32-2
 Formula: C₁₉H₂₃N₃O₅S₂
 Molecular Weight: 437.533
 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	NPC26 is a small molecule that disrupts mitochondrial function and exhibits antitumor activity. It shows significant antiproliferative and cytotoxic effects on CRC cell lines (HCT-116, DLD-1, and HT-29). NPC26 induces mitochondrial permeability transition pore (mPTP) opening, generates reactive oxygen species (ROS), and triggers cell death. Additionally, NPC26 kills CRC cells by activating the AMP-activated protein kinase (AMPK) signaling pathway.
Targets(IC50)	Reactive Oxygen Species,AMPK

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2856 mL	11.4278 mL	22.8556 mL
5 mM	0.4571 mL	2.2856 mL	4.5711 mL
10 mM	0.2286 mL	1.1428 mL	2.2856 mL
50 mM	0.0457 mL	0.2286 mL	0.4571 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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