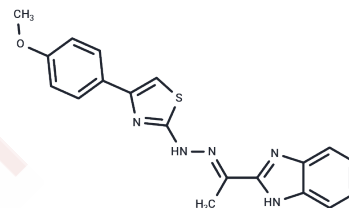


SFI003

Chemical Properties

CAS No. : 2361332-90-1
 Formula: C₁₉H₁₇N₅O₅
 Molecular Weight: 363.44
 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	SFI003 is a novel SRSF3 inhibitor that exerts anticancer activity against colorectal cancer by modulating the SRSF3 / DHCR24 / ROS axis and driving apoptosis in CRC cells through the SRSF3 / DHCR24 / reactive oxygen species (ROS) axis.
Targets(IC50)	Apoptosis,Reactive Oxygen Species,ROS

Solubility Information

Solubility	DMSO: 50 mg/mL (137.57 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	2.7515 mL	13.7574 mL	27.5149 mL
5 mM	0.5503 mL	2.7515 mL	5.503 mL
10 mM	0.2751 mL	1.3757 mL	2.7515 mL
50 mM	0.055 mL	0.2751 mL	0.5503 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

Li Huanqiu, et al. Preparation method of the benzimidazole compound and their application as antitumor drug. CN109438438A.

Zhang Y, et al. A novel SRSF3 inhibitor, SFI003, exerts anticancer activity against colorectal cancer by modulating the SRSF3/DHCR24/ROS axis. Cell Death Discov. 2022 May 2;8(1):238.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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