

SP11

Chemical Properties

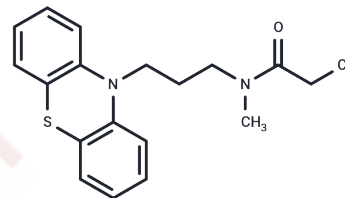
CAS No. : 2629218-24-0

Formula: C₁₈H₁₉ClN₂O₂S

Molecular Weight: 346.87

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	SP11 is a mitochondrial reactive oxygen species (ROS) inhibitor. It activates Fis1 with an IC ₅₀ of 9.4 μM by binding to Cys41 and enhances the translocation of Drp1 to mitochondria. SP11 is utilized for research into oxidative stress damage.
Targets(IC ₅₀)	Reactive Oxygen Species

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8829 mL	14.4146 mL	28.8292 mL
5 mM	0.5766 mL	2.8829 mL	5.7658 mL
10 mM	0.2883 mL	1.4415 mL	2.8829 mL
50 mM	0.0577 mL	0.2883 mL	0.5766 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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