

ROS inducer 9

Chemical Properties

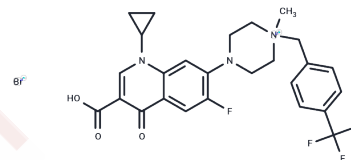
CAS No. : 3081689-97-3

Formula: C₂₆H₂₆BrF₄N₃O₃

Molecular Weight: 584.401

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	ROS inducer 9 (compound 4e) is an antibacterial agent with a minimum inhibitory concentration (MIC) of 0.25 µg/mL against Escherichia coli. It eradicates bacteria by inhibiting GSH activity and increasing ROS levels. Additionally, ROS inducer 9 exhibits low toxicity toward red blood cells and RAW 264.7 cells.
Targets(IC50)	Reactive Oxygen Species, Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7112 mL	8.5558 mL	17.1116 mL
5 mM	0.3422 mL	1.7112 mL	3.4223 mL
10 mM	0.1711 mL	0.8556 mL	1.7112 mL
50 mM	0.0342 mL	0.1711 mL	0.3422 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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