

ROS inducer 2

Chemical Properties

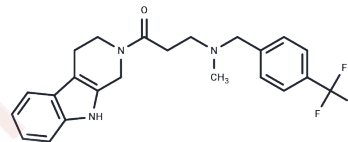
CAS No. : 2921602-19-7

Formula: C₂₃H₂₄F₃N₃O

Molecular Weight: 415.45

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 2 is a reactive oxygen species (ROS) inducer with antimicrobial activity. It inhibits Axonobacter.
Targets(IC50)	Reactive Oxygen Species, ROS
In vitro	ROS inducer 2 (Compound I16) is a compound capable of inducing the generation of reactive oxygen species (ROS), which exhibits excellent activity in vitro with an EC ₅₀ of 3.43 µg/mL. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.407 mL	12.0351 mL	24.0703 mL
5 mM	0.4814 mL	2.407 mL	4.8141 mL
10 mM	0.2407 mL	1.2035 mL	2.407 mL
50 mM	0.0481 mL	0.2407 mL	0.4814 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

Liu HW, et al. Discovery and Structural Optimization of 1,2,3,4-Tetrahydro-β-carbolines as Novel Reactive Oxygen Species Inducers for Controlling Intractable Plant Bacterial Diseases. J Agric Food Chem. 2023 Jul 26;71(29):11035-11047.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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