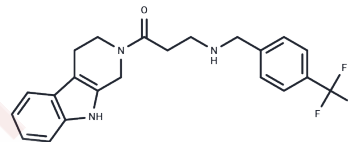


## ROS inducer 3

## Chemical Properties

CAS No. :	2921602-09-5
Formula:	C <sub>22</sub> H <sub>22</sub> F <sub>3</sub> N <sub>3</sub> O
Molecular Weight:	401.43
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 3 is a reactive oxygen species inducer, a fungicide used to study refractory plant bacterial diseases, and inhibits actinobacteria.
Targets(IC50)	Reactive Oxygen Species, ROS
In vitro	ROS inducer 3 (Compound I6) is a compound that induces the generation of reactive oxygen species (ROS) and exhibits significant activity in vitro with an EC <sub>50</sub> of 2.86 µg/mL. [1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4911 mL	12.4555 mL	24.9109 mL
5 mM	0.4982 mL	2.4911 mL	4.9822 mL
10 mM	0.2491 mL	1.2455 mL	2.4911 mL
50 mM	0.0498 mL	0.2491 mL	0.4982 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.

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