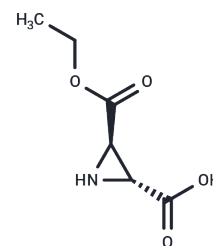


SufS-IN-1

Chemical Properties

CAS No. :	167933-78-0
Formula:	C ₆ H ₉ NO ₄
Molecular Weight:	159.14
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	SufS-IN-1, a (2R,3R)-3-ethoxycarbonylaziridine-2-carboxylic acid (EAC), acts as a selective type II cysteine desulfurase (SufS) inhibitor. It significantly inhibits SufS activity by forming a stable PLP-ligand complex through covalent bonding with the cofactor PLP. SufS-IN-1 is applicable in the study of pathogenic microorganisms such as [Plasmodium falciparum], [Staphylococcus aureus], and [Mycobacterium tuberculosis].
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.2838 mL	31.4189 mL	62.8378 mL
5 mM	1.2568 mL	6.2838 mL	12.5676 mL
10 mM	0.6284 mL	3.1419 mL	6.2838 mL
50 mM	0.1257 mL	0.6284 mL	1.2568 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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