

MraY-IN-3 hydrochloride

Chemical Properties

CAS No. :

Formula: C₃₅H₄₆ClN₃O₅

Molecular Weight: 624.21

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	MraY-IN-1 (compound 12a) is a potent inhibitor of MraY with an IC ₅₀ of 140 μM, exhibiting antimicrobial activity with MIC ₅₀ values of 7 μg/mL against Escherichia coli K12, 12 μg/mL for Bacillus subtilis W23, and 46 μg/mL for Pseudomonas fluorescens Pf-5, and is utilized in anti-bacterial research [1].
Targets(IC ₅₀)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.602 mL	8.0101 mL	16.0202 mL
5 mM	0.3204 mL	1.602 mL	3.204 mL
10 mM	0.1602 mL	0.801 mL	1.602 mL
50 mM	0.032 mL	0.1602 mL	0.3204 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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