

MsbA-IN-1

Chemical Properties

CAS No. :

Formula: C₂₃H₁₈Cl₂FNO₃

Molecular Weight: 446.3

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	MsbA-IN-1 is a potent inhibitor of MsbA (IC ₅₀ : 4 nM). MsbA-IN-1 has anti-E. coli activity (MIC: 79 µM). MsbA-IN-1 fully penetrates the outer membrane of Gram-negative bacteria and exhibits inhibition of MsbA.
Targets(IC ₅₀)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2406 mL	11.2032 mL	22.4065 mL
5 mM	0.4481 mL	2.2406 mL	4.4813 mL
10 mM	0.2241 mL	1.1203 mL	2.2406 mL
50 mM	0.0448 mL	0.2241 mL	0.4481 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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