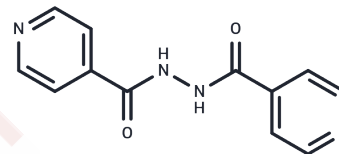


N'-Isonicotinoylisonicotinohydrazide

Chemical Properties

CAS No. :	4329-75-3
Formula:	C12H10N4O2
Molecular Weight:	242.23
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	N'-Isonicotinoylisonicotinohydrazide (Compound 7, 1,2-Diisonicotinoylhydrazine) is a competitive inhibitor of bacterial heme oxygenase (HO) with an IC50 ranging from 5 to 30 µM. It impedes the release and uptake of iron in bacteria and shows selective activity against HO enzymes from Pseudomonas aeruginosa and Neisseria meningitidis. This compound holds potential for research in treating infections caused by multidrug-resistant Gram-negative bacteria.
Targets(IC50)	Antibacterial, ROS

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1283 mL	20.6415 mL	41.2831 mL
5 mM	0.8257 mL	4.1283 mL	8.2566 mL
10 mM	0.4128 mL	2.0642 mL	4.1283 mL
50 mM	0.0826 mL	0.4128 mL	0.8257 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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