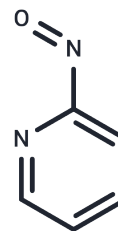


2-Nitrosopyridine

Chemical Properties

CAS No. :	79917-37-6
Formula:	C ₅ H ₄ N ₂ O
Molecular Weight:	108.10
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	2-Nitrosopyridine is a versatile nitroso compound employed in the synthesis of antibiotics. It serves as a valuable derivatization reagent for Click and Diels-Alder reactions, displaying exceptional dienophile characteristics.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.2507 mL	46.2535 mL	92.5069 mL
5 mM	1.8501 mL	9.2507 mL	18.5014 mL
10 mM	0.9251 mL	4.6253 mL	9.2507 mL
50 mM	0.185 mL	0.9251 mL	1.8501 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

Timothy A. Wencewicz, et al. N-O Chemistry for Antibiotics: Discovery of N-Alkyl-N-(pyridin-2-yl) hydroxylamine Scaffolds as Selective Antibacterial Agents Using Nitroso Diels-Alder and Ene Chemistry. *Journal of Medicinal Chemistry*, 54(19), 6843-6858.

Debin Wan, et al. A new sensitive LC/MS/MS analysis of vitamin D metabolites using a click derivatization reagent, 2-nitrosopyridine. *J Lipid Res.* 2017 Apr; 58(4): 798-808.

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