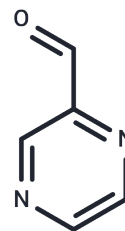


Pyrazine-2-carbaldehyde

Chemical Properties

CAS No. :	5780-66-5
Formula:	C ₅ H ₄ N ₂ O
Molecular Weight:	108.1
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Pyrazine-2-carbaldehyde inhibits nicotinamidase in Mycobacterium tuberculosis and can be used for tuberculosis research, widely applied in biochemical experiments and drug synthesis research.
Targets(IC50)	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

Coufal R, et al. Pyrazinyl and pyridinyl bis-azomethines formation: an experimental and computational study. Sci Rep. 2023 Oct 13;13(1):17383.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481