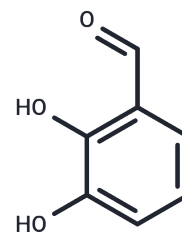


2,3-Dihydroxybenzaldehyde

Chemical Properties

CAS No. :	24677-78-9
Formula:	C ₇ H ₆ O ₃
Molecular Weight:	138.12
Storage:	Store at 4°C Actual storage temperature shall be subject to the COA.



Biological Description

Description	2,3-Dihydroxybenzaldehyde exhibits activity against NADH dehydrogenase ($K_m = 35 \mu\text{M}$) and can be used in biochemical experiments and drug synthesis.
Targets(IC50)	Dehydrogenase
In vitro	Method: Staphylococcus aureus strains were treated with 2,3-Dihydroxybenzaldehyde (125, 250, 500, 1,000 and 2,000 mg/L) and the MIC was determined. Results: The MIC ₉₀ of 2,3-Dihydroxybenzaldehyde against Staphylococcus aureus strains was 833 mg/L. [1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.2401 mL	36.2004 mL	72.4008 mL
5 mM	1.448 mL	7.2401 mL	14.4802 mL
10 mM	0.724 mL	3.620 mL	7.2401 mL
50 mM	0.1448 mL	0.724 mL	1.448 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

Schabauer A, et al. Gentsaldehyde and Its Derivative 2,3-Dihydroxybenzaldehyde Show Antimicrobial Activities Against Bovine Mastitis Staphylococcus aureus. Front Vet Sci. 2018 Jul 11;5:148.

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