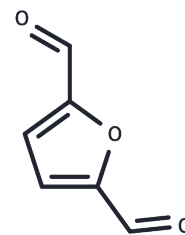


## Furan-2,5-dicarbaldehyde

## Chemical Properties

CAS No. :	823-82-5
Formula:	C <sub>6</sub> H <sub>4</sub> O <sub>3</sub>
Molecular Weight:	124.09
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	Furan-2,5-dicarbaldehyde exhibits antibacterial activity against <i>Pseudomonas aeruginosa</i> and <i>Klebsiella</i> , making it suitable for related research in the field of life sciences.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.0587 mL	40.2933 mL	80.5867 mL
5 mM	1.6117 mL	8.0587 mL	16.1173 mL
10 mM	0.8059 mL	4.0293 mL	8.0587 mL
50 mM	0.1612 mL	0.8059 mL	1.6117 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

Yang Q, et al. Efficient bio-oxidation of biomass-derived furan-2,5-dicarbaldehyde to 5-formyl-2-furoic acid and 2,5-furandicarboxylic acid via whole-cell biocatalysis. *Bioresour Technol.* 2025 Apr;421:132201.

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