

## 3-Thiophenecarboxaldehyde

## Chemical Properties

CAS No. :	498-62-4
Formula:	C <sub>5</sub> H <sub>4</sub> O <sub>2</sub> S
Molecular Weight:	112.15
Storage:	Pure form: -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	3-Thiophenecarboxaldehyde is a thiophene derivative containing an aldehyde group, suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.9166 mL	44.5831 mL	89.1663 mL
5 mM	1.7833 mL	8.9166 mL	17.8333 mL
10 mM	0.8917 mL	4.4583 mL	8.9166 mL
50 mM	0.1783 mL	0.8917 mL	1.7833 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

Prasad KS, et al. Tumoricidal Potential of Novel Amino-1,10-phenanthroline Derived Imine Ligands: Chemical Preparation, Structure, and Biological Investigations. *Molecules*. 2020 Jun 22;25(12):2865.

Yoon K, et al. Activation of COUP-TFI by a Novel Diindolylmethane Derivative. *Cells*. 2019 Mar 7;8(3):220.

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