

## 3-Nitropropanoic acid

## Chemical Properties

CAS No. : 504-88-1

Formula: C<sub>3</sub>H<sub>5</sub>NO<sub>4</sub>

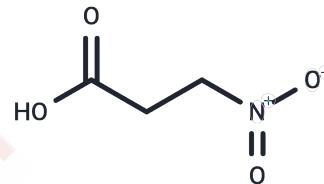
Molecular Weight: 119.08

Appearance: no data available

Storage:

keep away from moisture, keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	3-Nitropropanoic acid (Bovinocidin) is an irreversible inhibitor of succinate dehydrogenase.
Targets(IC50)	Apoptosis, Antibacterial, Dehydrogenase

## Solubility Information

Solubility	DMSO: 125 mg/mL (1049.71 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.3977 mL	41.9886 mL	83.9772 mL
5 mM	1.6795 mL	8.3977 mL	16.7954 mL
10 mM	0.8398 mL	4.1989 mL	8.3977 mL
50 mM	0.168 mL	0.8398 mL	1.6795 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.

## Reference

Gupta S, Sharma B. Eur J Pharmacol. 2014 Jun 5;732:111-22.

Xiong J, Wang L, Feng Y, et al. Geldanamycin confers fungicidal properties to azole by triggering the activation of succinate dehydrogenase. Life Sciences. 2024: 122699.

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