

## Ammonium sulfate

## Chemical Properties

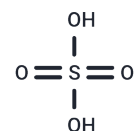
CAS No. : 7783-20-2

NH<sub>3</sub>NH<sub>3</sub>Formula: H<sub>8</sub>N<sub>2</sub>O<sub>4</sub>S

Molecular Weight: 132.14

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	Ammonium sulfate is one of the compounds commonly used in inorganic experiments as an oxidizing agent and bleaching agent.
Targets(IC50)	Others, Reactive Oxygen Species

## Solubility Information

Solubility	H <sub>2</sub> O: 20 mg/mL (151.35 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	7.5677 mL	37.8387 mL	75.6773 mL
5 mM	1.5135 mL	7.5677 mL	15.1355 mL
10 mM	0.7568 mL	3.7839 mL	7.5677 mL
50 mM	0.1514 mL	0.7568 mL	1.5135 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

DIXON M. A nomogram for ammonium sulphate solutions. Biochem J. 1953 Jun;54(3):457-8.

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