

Sodium sulfate anhydrous

Chemical Properties

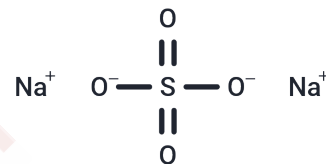
CAS No. : 7757-82-6

Formula: Na₂O₄S

Molecular Weight: 142.04

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	Sodium sulfate anhydrous is a classic inorganic sulfate characterized by its strong hygroscopicity, excellent water solubility, and neutrality in aqueous solution. Sodium sulfate anhydrous is a widely used inorganic reagent in both research and industrial applications. Sodium sulfate anhydrous is commonly used as a drying agent in organic synthesis, a salting-out agent for proteins and nucleic acids, and an additive in chromatographic analysis. Sodium sulfate anhydrous can also serve as an electrolyte buffer and a precipitating agent.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 160 mg/mL (1126.44 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	7.0403 mL	35.2014 mL	70.4027 mL
5 mM	1.4081 mL	7.0403 mL	14.0805 mL
10 mM	0.704 mL	3.5201 mL	7.0403 mL
50 mM	0.1408 mL	0.704 mL	1.4081 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

Frank J Schenck, et al. Comparison of magnesium sulfate and sodium sulfate for removal of water from pesticide extracts of foods. J AOAC Int. 2002 Sep-Oct;85(5):1177-80.

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