

Sodium carbonate

Chemical Properties

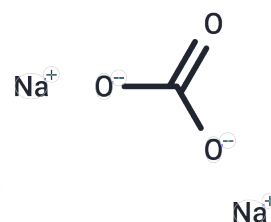
CAS No. : 497-19-8

Formula: CNa_2O_3

Molecular Weight: 105.99

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 carbonate (Soda Ash) , is the disodium salt of carbonic acid with alkalinizing property.
Targets(IC50)	Others

Solubility Information

Solubility	H ₂ O: 20 mg/mL (188.7 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	9.4349 mL	47.1743 mL	94.3485 mL
5 mM	1.887 mL	9.4349 mL	18.8697 mL
10 mM	0.9435 mL	4.7174 mL	9.4349 mL
50 mM	0.1887 mL	0.9435 mL	1.887 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

Tao H,et al. The impact of sodium carbonate on physico-chemical properties and cooking qualities of starches isolated from alkaline yellow noodles. Int J Biol Macromol. 2019 Sep 15;137:697-702.

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