

## Sodium bicarbonate

Cat. No.:	HY-Y0756
CAS No.:	144-55-8
Molecular Formula:	CHNaO <sub>3</sub>
Molecular Weight:	84.01
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 50 mg/mL (595.17 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		1 mg	5 mg	10 mg
	Concentration	Mass			
	1 mM		11.9033 mL	59.5167 mL	119.0334 mL
	5 mM		2.3807 mL	11.9033 mL	23.8067 mL
	10 mM		1.1903 mL	5.9517 mL	11.9033 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Sodium bicarbonate, also known as baking soda, sodium bicarbonate, or sodium bicarbonate, is neutral to slightly alkaline. And it is susceptible to moisture and decomposition in the air. Sodium bicarbonate is widely used in food, pharmaceutical, cosmetics and other fields, the main uses include buffer, seasoning, disinfectant, pharmaceutical and proton gradient regulator. In the food industry, it is often used as a flour starter or leavening agent to make food swell up and become softer. Sodium bicarbonate is also commonly used as an antacid to suppress gastrointestinal disorders, neutralize stomach acid and reduce stomach discomfort.

#### In Vitro

Carbonic acid monosodium salt, ≥99.5% is a biochemical reagent that can be used as a biological material or organic compound for life science related research.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA