

## EDTA disodium

## Chemical Properties

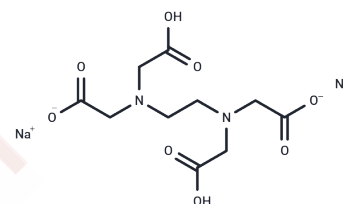
CAS No. : 139-33-3

Formula: C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>Na<sub>2</sub>O<sub>8</sub>

Molecular Weight: 336.27

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	EDTA disodium salt, is a type of chelating agent formed by a central metal ion chelated with four carboxylate groups and two amino groups. This compound is capable of binding and chelating metal ions such as calcium, magnesium, and iron, making it useful across industrial, medical, and research settings. In food and beverages, it serves as a preservative; in pharmaceuticals, it acts as a stabilizer; in water treatment, it functions as a chelating agent; and it has certain antibacterial properties. Furthermore, EDTA disodium salt has been studied for potential roles in treating heavy metal poisoning and cardiovascular diseases.
Targets(IC50)	Others

## Solubility Information

Solubility	H <sub>2</sub> O: 16.00 mg/mL (47.58 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	2.9738 mL	14.869 mL	29.738 mL
5 mM	0.5948 mL	2.9738 mL	5.9476 mL
10 mM	0.2974 mL	1.4869 mL	2.9738 mL
50 mM	0.0595 mL	0.2974 mL	0.5948 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.

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