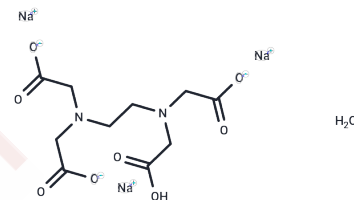


## Ethylenediaminetetraacetic acid trisodium hydrate

## Chemical Properties

CAS No. : 10378-22-0  
 Formula: C<sub>10</sub>H<sub>15</sub>N<sub>2</sub>Na<sub>3</sub>O<sub>9</sub>  
 Molecular Weight: 376.2  
 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	Ethylenediaminetetraacetic acid (trisodium hydrate) is an organic compound characterized by carboxylic acid functional groups. It is widely utilized as a chelating agent in industrial and medical applications, notably in the food and pharmaceutical sectors. With its strong metal ion binding properties, it helps sequester trace metals that might compromise product quality or stability. Furthermore, it functions as an anticoagulant in blood collection tubes and serves as a stabilizer in certain cosmetics and personal care products.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6582 mL	13.2908 mL	26.5816 mL
5 mM	0.5316 mL	2.6582 mL	5.3163 mL
10 mM	0.2658 mL	1.3291 mL	2.6582 mL
50 mM	0.0532 mL	0.2658 mL	0.5316 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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