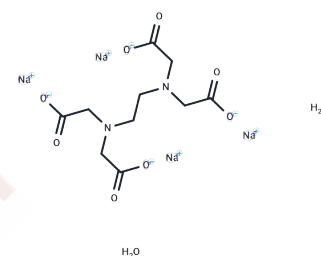


## Ethylenediaminetetraacetic acid sodium hydrate

### Chemical Properties

CAS No. :	10378-23-1
Formula:	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> Na <sub>4</sub> O <sub>10</sub>
Molecular Weight:	416.2
Storage:	Store at RT <small>Actual storage temperature shall be subject to the COA.</small>



### Biological Description

Description	Ethylenediaminetetraacetic acid (EDTA) sodium hydrate is a metal chelator that binds with divalent and trivalent metal cations, including calcium. It exhibits antibacterial, anti-inflammatory, antioxidant, anti-hypercalcemic, and anticoagulant properties. EDTA sodium hydrate reduces protein oxidation damage catalyzed by metal ions and maintains a reducing environment during protein purification, making it a common choice for protein purification and storage. Additionally, it can alleviate liver fibrosis and is used in research related to coronary artery disease and neurological disorders.
Targets(IC50)	Antibacterial

### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4027 mL	12.0135 mL	24.0269 mL
5 mM	0.4805 mL	2.4027 mL	4.8054 mL
10 mM	0.2403 mL	1.2013 mL	2.4027 mL
50 mM	0.0481 mL	0.2403 mL	0.4805 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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