

EDTA tetrasodium tetrahydrate

Chemical Properties

CAS No. :	13235-36-4
Formula:	C10H20N2Na4O12
Molecular Weight:	452.231
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 tetrasodium tetrahydrate is a metal chelator known for its ability to bind with divalent and trivalent metal cations, including calcium. It exhibits antihypercalcemic and anticoagulant properties. This compound reduces metal ion-catalyzed oxidative damage to proteins and maintains a reducing environment during protein purification processes, making it commonly used for protein purification and storage. Additionally, it helps in minimizing the formation of disulfide bonds.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2113 mL	11.0563 mL	22.1126 mL
5 mM	0.4423 mL	2.2113 mL	4.4225 mL
10 mM	0.2211 mL	1.1056 mL	2.2113 mL
50 mM	0.0442 mL	0.2211 mL	0.4423 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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