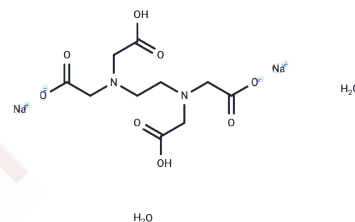


EDTA, Disodium Salt, Dihydrate

Chemical Properties

CAS No. :	6381-92-6
Formula:	C ₁₀ H ₁₈ N ₂ Na ₂ O ₁₀
Molecular Weight:	372.24
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, Dihydrate (Ethylenediaminetetraacetic acid disodium dihydrate) is a metal ion chelator used as a protease inhibitor. EDTA, Disodium Salt, Dihydrate is a molecule that is ineffective against cellulase activity and is widely used in protein purification. EDTA, Disodium Salt, Dihydrate promotes the excretion of cellulase by binding to the metals and promotes their excretion.
Targets(IC50)	Antibacterial, Protease

Solubility Information

Solubility	H ₂ O: 41.67 mg/mL (111.94 mM), Sonication is recommended. DMSO: 1 mg/mL (2.69 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	2.6864 mL	13.4322 mL	26.8644 mL
5 mM	0.5373 mL	2.6864 mL	5.3729 mL
10 mM	0.2686 mL	1.3432 mL	2.6864 mL
50 mM	0.0537 mL	0.2686 mL	0.5373 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.

Reference

Argotte-Ibarra L, et al. Analysis of the solubility of phosphate rock from Aipe (Colombia) via formation of 2Na-EDTA complex. Chemosphere. 2022;286(Pt 3):131786.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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