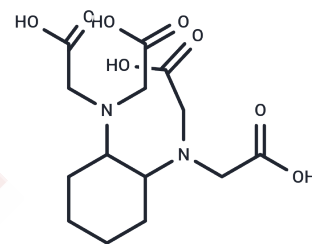


Cyclohexanediamine tetraacetic acid

Chemical Properties

CAS No. :	482-54-2
Formula:	C ₁₄ H ₂₂ N ₂ O ₈
Molecular Weight:	346.33
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	Cyclohexanediamine tetraacetic acid is a chelating agent.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8874 mL	14.4371 mL	28.8742 mL
5 mM	0.5775 mL	2.8874 mL	5.7748 mL
10 mM	0.2887 mL	1.4437 mL	2.8874 mL
50 mM	0.0577 mL	0.2887 mL	0.5775 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

- Xie J, Funakoshi T, Shimada H, Kojima S. Effects of chelating agents on testicular toxicity in mice caused by acute exposure to nickel. *Toxicology*. 1995 Dec 10;103(3):147-55. PubMed PMID: 8553358.
- Misra M, Athar M, Hasan SK, Srivastava RC. Alleviation of nickel-induced biochemical alterations by chelating agents. *Fundam Appl Toxicol*. 1988 Aug;11(2):285-92. PubMed PMID: 3220207.
- Xie J, Funakoshi T, Shimada H, Kojima S. Comparative effects of chelating agents on pulmonary toxicity of systemic nickel in mice. *J Appl Toxicol*. 1996 Jul-Aug;16(4):317-24. PubMed PMID: 8854218.
- Jarvis MC. The proportion of calcium-bound pectin in plant cell walls. *Planta*. 1982 May;154(4):344-6. doi: 10.1007/BF00393913. PubMed PMID: 24276162.

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