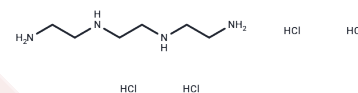


Triethylenetetramine tetrahydrochloride

Chemical Properties

CAS No. : 4961-40-4
 Formula: C₆H₂₂Cl₄N₄
 Molecular Weight: 292.078
 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	Triethylenetetramine (Trientine) tetrahydrochloride is an orally active, potent, and selective copper chelator. It aids in the excretion of divalent copper ions from the body, reduces intestinal copper absorption, and minimizes copper accumulation. Additionally, Triethylenetetramine tetrahydrochloride exhibits potential anticancer properties through mechanisms such as telomerase inhibition, anti-angiogenesis, and promoting cancer cell apoptosis (apoptosis). This compound shows promise in the study of Wilson's disease, cancer, and diabetic complications.
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.4237 mL	17.1186 mL	34.2372 mL
5 mM	0.6847 mL	3.4237 mL	6.8474 mL
10 mM	0.3424 mL	1.7119 mL	3.4237 mL
50 mM	0.0685 mL	0.3424 mL	0.6847 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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