

Manganese chloride (tetrahydrate)

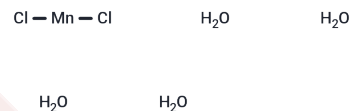
Chemical Properties

CAS No. : 13446-34-9

Formula: $\text{Cl}_2\text{H}_8\text{MnO}_4$

Molecular Weight: 197.91

Storage: Keep away from moisture, Keep away from direct sunlight
 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	Manganese chloride tetrahydrate is a high-purity manganese salt that can serve as a cofactor for enzyme reactions and provide essential trace elements in cell culture, and is commonly used in biochemical experiments.
Targets(IC50)	Others, Histone Acetyltransferase, HDAC

Solubility Information

Solubility H₂O: 200 mg/mL (1010.56 mM), Sonication is recommended.
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0528 mL	25.264 mL	50.528 mL
5 mM	1.0106 mL	5.0528 mL	10.1056 mL
10 mM	0.5053 mL	2.5264 mL	5.0528 mL
50 mM	0.1011 mL	0.5053 mL	1.0106 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

Brismar TB, et al. Oral Manganese Chloride Tetrahydrate: A Novel Magnetic Resonance Liver Imaging Agent for Patients With Renal Impairment: Efficacy, Safety, and Clinical Implication. Invest Radiol. 2024 Feb 1;59(2):197-205.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481