

Manganese chloride

Chemical Properties

CAS No. : 7773-01-5

Formula: Cl₂Mn

Molecular Weight: 125.84

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	Manganese chloride inhibits proliferation in a dose- and time-dependent manner induces G0/G1 and S phase arrest and apoptosis in A549 cells.
Targets(IC50)	Apoptosis

Solubility Information

Solubility	H ₂ O: 794.7 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.9466 mL	39.733 mL	79.466 mL
5 mM	1.5893 mL	7.9466 mL	15.8932 mL
10 mM	0.7947 mL	3.9733 mL	7.9466 mL
50 mM	0.1589 mL	0.7947 mL	1.5893 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

Zhao P, et al. Manganese chloride-induced G0/G1 and S phase arrest in A549 cells. Toxicology. 2008 Aug 19;250 (1):39-46.

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