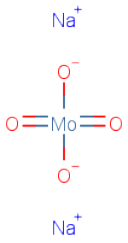
Data Sheet (Cat.No.T5205)

TargetMol

Sodium Molybdate

Chemical Properties



CAS No. : 7631-95-0

Formula: MoNa2O4

Molecular Weight: 205.92

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	Sodium molybdate is a useful source of molybdate. In murine models, Sodium molybdate dihydrate inactivated both the active and inactive form of the glucocorticoid receptor complex.
Targets(IC50)	Apoptosis,Others,Ferroptosis,Mitochondrial Metabolism

Solubility Information

Solubility	H2O: 257.5 mg/mL (1250.49 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8563 mL	24.2813 mL	48.5625 mL
5 mM	0.9713 mL	4.8563 mL	9.7125 mL
10 mM	0.4856 mL	2.4281 mL	4.8563 mL
50 mM	0.0971 mL	0.4856 mL	0.9713 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

Ale-Ebrahim, M., Eidi, A., Mortazavi, P., Tavangar, S., & Tehrani, D. (2015). Hepatoprotective and antifibrotic effects of sodium molybdate in a rat model of bile duct ligation. Journal Of Trace Elements In Medicine And Biology, 29, 242-248. doi: 10.1016/j.jtemb.2014.07.002

Cuttance, E., Laven, R., & Watts, A. (2018). Effect of sodium molybdate supplementation on high concentrations of Cu in liver of yearling bulls. New Zealand Veterinary Journal, 66(4), 194-198. doi: 10.1080/2004820169.2018.1440653

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