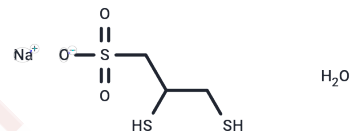


2,3-Dimercaptopropanesulfonate sodium salt hydrate

Chemical Properties

CAS No. :	207233-91-8
Formula:	C ₃ H ₉ NaO ₄ S ₃
Molecular Weight:	228.29
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	2,3-Dimercaptopropanesulfonate (DMPS) acts as a mercury chelator. It lowers renal mercury concentrations while elevating urinary mercury levels in both uninephrectomized and normal rats treated with mercuric chloride. In a mouse model of developmental toxicity induced by heavy metals, DMPS (administered at 180 or 360 mg/kg per day for four days) mitigates methylmercury chloride-induced increases in embryotoxicity and fetal and maternal mortality, while also preventing the reduction in fetal bone ossification when given to pregnant mice.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3804 mL	21.902 mL	43.8039 mL
5 mM	0.8761 mL	4.3804 mL	8.7608 mL
10 mM	0.438 mL	2.1902 mL	4.3804 mL
50 mM	0.0876 mL	0.438 mL	0.8761 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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