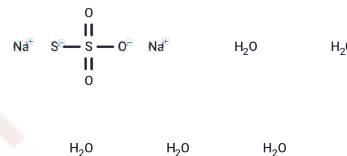


Sodium Thiosulfate Pentahydrate

Chemical Properties

CAS No. : 10102-17-7
 Formula: H10Na2O8S2
 Molecular Weight: 248.18
 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 Thiosulfate Pentahydrate is an inorganic salt with reducing properties, primarily used for treating cyanide poisoning, alleviating chemotherapy side effects, and neutralising chlorine gas.
Targets(IC50)	Others

Solubility Information

Solubility	H2O: 180 mg/mL (725.28 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0293 mL	20.1467 mL	40.2933 mL
5 mM	0.8059 mL	4.0293 mL	8.0587 mL
10 mM	0.4029 mL	2.0147 mL	4.0293 mL
50 mM	0.0806 mL	0.4029 mL	0.8059 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

Panizza BJ, O'Leary SJ, Hart CD, Diwakarla CS, Barnett C, Lapuerta P, Lee J, Raines S, Quigley T, Wolff HM, Keilty J, Ladwa R, Porceddu SV, McGrath M, Seetharamu N, Fua T, Rischin D. Randomized Phase Ib Clinical Trial of DB-020 Intratympanic Injections to Reduce High-Dose Cisplatin Ototoxicity. J Clin Oncol. 2025 Jul;43(19):2155-2163. doi: 10.1200/JCO.24.00905. Epub 2025 May 22.

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