

Cuprous iodide

Chemical Properties

CAS No. :	7681-65-4
Formula:	CuI
Molecular Weight:	190.45
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	Cuprous iodide (Iodocopper) is a antibiotic agent.
Targets(IC50)	Antibiotic

Solubility Information

Solubility	DMSO: < 1.9 mg/mL (10 mM, insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.2507 mL	26.2536 mL	52.5072 mL
5 mM	1.0501 mL	5.2507 mL	10.5014 mL
10 mM	0.5251 mL	2.6254 mL	5.2507 mL
50 mM	0.105 mL	0.5251 mL	1.0501 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

Kaushal, Mani, Lobana, et al. Synthesis, structures, antimicrobial activity and biosafety evaluation of pyridine-2-formaldehyde-N-susbstituted-thiosemicarbazones of copper(II)[J]. New Journal of Chemistry, 2018.

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