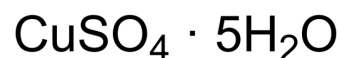


Copper sulfate pentahydrate, for cell culture, 98%

Cat. No.: HY-Y1881B
CAS No.: 7758-99-8
Molecular Formula: $\text{CuH}_{10}\text{O}_9\text{S}$
Molecular Weight: 249.69
Target: Biochemical Assay Reagents
Pathway: Others
Storage: 4°C, sealed storage, away from moisture
 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 50 mg/mL (200.25 mM; Need ultrasonic)

Solvent	Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.0050 mL	20.0248 mL	40.0497 mL
	5 mM	0.8010 mL	4.0050 mL	8.0099 mL
	10 mM	0.4005 mL	2.0025 mL	4.0050 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Copper sulfate pentahydrate, commonly used biochemical reagents. Soluble in water. Copper sulfate pentahydrate, for cell culture, 98% can be used as a cellular copper processing reagent. Copper sulfate pentahydrate, for cell culture, 98% is cytotoxic^[1].

REFERENCES

[1]. NAKASHIMA, K. et al. Membrane protein cross-linking is an early step in the pathogenesis of copper-induced hemolytic anemia. *Biomedical Research*, 1(6), 548-551.

Caution: Product has not been fully validated for medical applications. For research use only.

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