



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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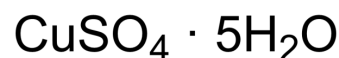
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## Copper sulfate pentahydrate, for cell culture, 98%

Cat. No.:	HY-Y1881B
CAS No.:	7758-99-8
Molecular Formula:	CuH <sub>10</sub> O <sub>9</sub> 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

H<sub>2</sub>O : 50 mg/mL (200.25 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		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<sup>[1]</sup>.

### 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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