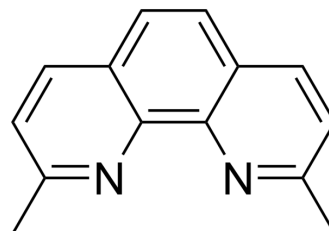


## Neocuproine

Cat. No.:	HY-W004563
CAS No.:	484-11-7
Molecular Formula:	C <sub>14</sub> H <sub>12</sub> N <sub>2</sub>
Molecular Weight:	208.26
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	<div>Powder</div> <div>-20°C 3 years</div> <div>4°C 2 years</div> <div>In solvent</div> <div>-80°C 6 months</div> <div>-20°C 1 month</div>



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (240.08 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	<div>Solvent Concentration</div>	Mass	1 mg	5 mg	10 mg
		1 mM		4.8017 mL	24.0085 mL	48.0169 mL
		5 mM		0.9603 mL	4.8017 mL	9.6034 mL
		10 mM		0.4802 mL	2.4008 mL	4.8017 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (12.00 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.00 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.00 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Neocuproine is an organic compound commonly used as a complexing reagent and copper ion detector. It can form stable complexes with copper ions, and can play a catalytic role in certain chemical reactions and analytical methods. In addition, this compound is also widely used in some biomedical fields, such as in the study of copper metabolism disorders and neurodegenerative diseases
In Vitro	Neocuproine is a biochemical reagent that can be used as a biological material or organic compound for life science related research.



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MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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

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