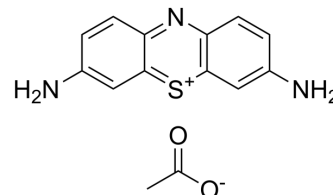


Thionin acetate

Cat. No.:	HY-D0955
CAS No.:	78338-22-4
Molecular Formula:	C ₁₄ H ₁₃ N ₃ O ₂ S
Molecular Weight:	287.34
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 41.67 mg/mL (145.02 mM; ultrasonic and warming and heat to 60°C)																					
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent</th> <th rowspan="2">Mass</th> <th colspan="3">Concentration</th> </tr> <tr> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Preparing Stock Solutions</td> <td>1 mM</td> <td>3.4802 mL</td> <td>17.4010 mL</td> <td>34.8020 mL</td> </tr> <tr> <td>5 mM</td> <td>0.6960 mL</td> <td>3.4802 mL</td> <td>6.9604 mL</td> </tr> <tr> <td>10 mM</td> <td>0.3480 mL</td> <td>1.7401 mL</td> <td>3.4802 mL</td> </tr> </tbody> </table>	Solvent	Mass	Concentration			1 mg	5 mg	10 mg	Preparing Stock Solutions	1 mM	3.4802 mL	17.4010 mL	34.8020 mL	5 mM	0.6960 mL	3.4802 mL	6.9604 mL	10 mM	0.3480 mL	1.7401 mL	3.4802 mL
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	Please refer to the solubility information to select the appropriate solvent.																					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (7.24 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (7.24 mM); Clear solution 																					

BIOLOGICAL ACTIVITY

Description	Thionin acetate (Thionine acetate) is a metachromic cationic histology dye used in biological staining widely.
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Caution: Product has not been fully validated for medical applications. For research use only.

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