

Thionin acetate

Cat NO. IT4760

Storage: RT, 2 years (protect from light)

Introduction:

Thionin acetate is a metachromasy cationic histological dye widely used in biological staining and is a common biological staining agent. Thionin acetate staining has a wide range of uses, mainly for staining nerve cells, mast cells, bone tissue, smears of cells, etc.

In general, thionin staining solution can be used for chromosome staining of oral mucosa, urine, amniotic fluid, villus cells and cultured cells, especially for sex chromatin which is difficult to color. Thionin staining was also used to stain mast cells and Nissl bodies. Metachromatic substances were purplish red and Nissl bodies blue-purple.

Parameters

CAS: 78338-22-4

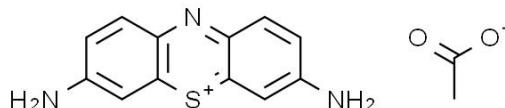
Molecular Formula: C₁₄H₁₃N₃O₂S

Molecular Weight: 287.34

Purity: ≥85%

Appearance: Dark green to dark blue Solid

Solubility: Soluble in Water ≥1mg/mL



Protocols (only for reference)

1. Place the slide specimens in 1 mol/L HCl and incubate at 37°C for 20 minutes.
2. Rinse thoroughly with distilled water and let it dry naturally.
3. Immerse the slide specimens in thionin staining solution (0.4% - 2%) and stain for 15 - 20 minutes.
4. Rinse with distilled water and let it dry naturally.
5. Search for evenly dispersed cell groups under the low-power microscope and then switch to the oil lens for careful observation.

Note

1. For your safety and health, please wear laboratory coats and disposable gloves when operating.
2. This product is for scientific research use only. Do not use it for medical, clinical diagnosis or treatment, food and cosmetics, etc. Do not store it in ordinary residential areas.