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DATASHEET

Thionin acetate salt

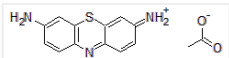
Product overview

Name	Thionin acetate salt
Cat No	HB0840
Biological description	Cationic dye which is a histological stain and is used in the Nissl stain to label neuronal cell bodies.
Purity	>80%
Description	Labels neuronal cell bodies

Solubility & Handling

Storage instructions	Room temperature
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use

Chemical Data

Chemical name	3,7-Diamino-5-phenothiazinium acetate
Molecular Weight	287.34
Chemical structure	
Molecular Formula	C ₁₄ H ₁₃ N ₃ O ₂ S
CAS Number	78338-22-4
PubChem identifier	2724414
SMILES	CC(=O)[O-].C1=CC2=C(C=C1N)SC3=CC(=[NH2+])C=CC3=N2
InChiKey	JOIRQYHDJINFGA-UHFFFAOYSA-N
MDL number	MFCD00081194
Appearance	Green solid

References

Differential thionin block staining of nerve cells and fibers for paraffin-embedded material in mammalian central nervous system

Tolivia J *et al* (1989) Neurosci Lett 102(2-3)
PubMedID [2478928](#)

Hematoxylin and thionin techniques for staining myelin and cells: variations and critical steps

Kutscher CL *et al* (1987) Brain Res Bull 19(1)
PubMedID [2443222](#)