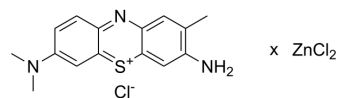


Toluidine blue (ZnCl₂)

Cat. No.:	HY-W250143
CAS No.:	6586-04-5
Molecular Formula:	C ₁₅ H ₁₆ N ₃ S ₂ .xCl ₂ Zn.Cl
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	<p>Toluidine blue (ZnCl₂) is a basic thiazine dye commonly used as a biological stain for microscopy. It has a deep bluish-purple color and is commonly used to stain nucleic acids such as DNA and RNA, as well as to stain mast cells, cartilage, and other connective tissues. Toluidine blue (ZnCl₂) stains the acidic components of these tissues, such as sulfated or carboxylated mucopolysaccharides. It is frequently used in histology, cytology, and pathology applications to aid in the diagnosis of various diseases and conditions. The dye is usually applied to tissue sections prior to microscopic examination and can be differentiated using an acidic alcohol solution. Toluidine blue (ZnCl₂) is a relatively simple and inexpensive stain with good reproducibility, making it a popular choice for many laboratories.</p>
In Vitro	<p>Toluidine blue for microscopy is a biochemical reagent that can be used as a biological material or organic compound for life science related research.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA