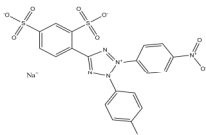


PRODUCT: WST-1**ALTERNATE NAME:** 2-(4-Iodophenyl)-3-(4-nitrophenyl)-5-(2,4-disulfophenyl)-2H-tetrazolium, monosodium salt**CATALOG #:** 2198-10, 30**AMOUNT:** 10 mg, 30 mg**STRUCTURE:****MOLECULAR FORMULA:** C₁₉H₁₁IN₅NaO₈S₂**MOLECULAR WEIGHT:** 651.35**CAS NUMBER:** 150849-52-8**APPEARANCE:** Pale brown solid**SOLUBILITY:** H₂O (10 mg/ml); 6.5 mg/ 10ml 50mM Tris buffer, pH 8.0**PURITY:** ≥97% by HPLC**STORAGE:** Store at -20 °C. Protect from light.**DESCRIPTION:** A water-soluble tetrazolium reagent that serves as a sensitive chromogenic indicator for NADH. It is reduced by NADH at neutral pHs in the presence of 1-methoxy PMS to produce the corresponding formazan dye that absorbs at 438 nm. Useful in cell proliferation assays as a cell viability indicator.**REFERENCE:** Ishiyama, M., et al. (1993). *Chem. Pharm. Bull.* **41**, 1118-1122.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**LDH Cytotoxicity Assay Kit (**Cat. No. K311-400**)LDH Cytotoxicity Assay Kit II (**Cat. No. K313-500**)Quick Cell Proliferation Kit (**Cat. No. K301-500, 2500**)Quick Cell Proliferation Kit Plus (**Cat. No. K302-500, 2500**)Ready-to-Use Cell Proliferation Reagent, WST-1 (**Cat. No. K304-2500**)VisionBlue™ Quick Cell Viability Assay (**Cat. No. K303-500, 2500**)WST-8 (**Cat. No. 2049-10, 30**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**