Lumiprobe Corporation
115 Airport Dr Suite 160
Westminster, Maryland 21157
美國
手機：+1 888 973 6353
傳真：+1 888 973 6354
電子郵件：order@lumiprobe.com

WST-8, reagent for cell proliferation assay

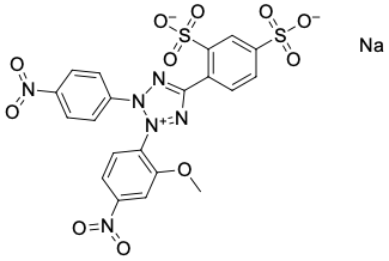
http://hk.lumiprobe.com/p/wst-8-reagent

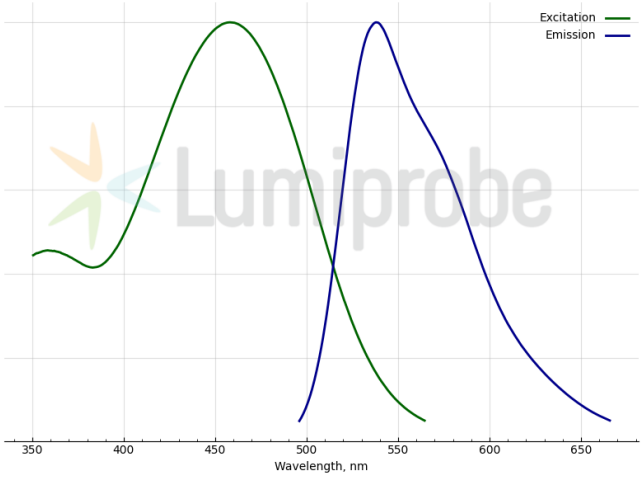
WST-8 (Water-Soluble Tetrazolium 8) is a water-soluble tetrazolium salt widely used to assess the metabolic activity of cells. The dye does not penetrate living cells but can be reduced outside the cells by NADPH-dependent cellular oxidoreductases to water-soluble formazan. The reaction occurs by electron transfer across the plasma membrane in a neutral pH and the presence of an intermediate electron acceptor, 1-methoxyphenazine methosulfate. The staining intensity is proportional to the number of viable cells. The maximum absorption of the reaction product is 450–500 nm.

The use of WST-8 has **several advantages**:

- Unlike MTT, working with WST-8 does not require dissolving formazan crystals, simplifying the protocol, and eliminating the use of toxic solvents (e.g., DMSO).
- Cell analysis using WST-8 is a one-step method. The reagent is added directly to the culture medium, and the results are read without additional processing.
- WST-8 is non-toxic to cells, which allows for long incubations (up to 24 hours) without the risk of artifacts.
- High sensitivity of the method. A wide dynamic range ensures accuracy even at low cell density.
- The method is compatible with adherent and suspension cultures and various types of spectrophotometric measurement plates.

We also supply WST-8 as a ready-to-use kit for cell proliferation assay.





外观:	
分子量:	600.47
CAS 编号:	193149-74-5
分子式:	$C_{20}H_{14}N_6NaO_{11}S_2$
IUPAC 名称:	2-(2-Methoxy-4-nitropenyl)-3-(4-nitropenyl)-5-(2,4-disulfophenyl)-2H-tetrazolium, sodium salt
溶解度:	水、二甲基亞砜
质量控制:	NMR ^1H 和 HPLC-MS (95+%)
储存条件:	收到後在-20°C 黑暗環境下保存 24 個月。運輸：室溫最多可保存3週。乾燥。
法律声明:	本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。
激发/吸收极大值，纳米:	458

发射极大值， 538
纳米: