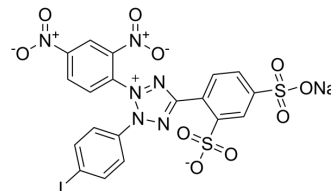


WST-3

Cat. No.:	HY-125921
CAS No.:	515111-36-1
Molecular Formula:	C ₁₉ H ₁₀ IN ₆ NaO ₁₀ S ₂
Molecular Weight:	696.34
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (143.61 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent \ Mass \ Concentration	1 mg	5 mg	10 mg
		1 mM	1.4361 mL	7.1804 mL	14.3608 mL
		5 mM	0.2872 mL	1.4361 mL	2.8722 mL
		10 mM	0.1436 mL	0.7180 mL	1.4361 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.59 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	WST-3 is a water-soluble tetrazolium dye. In the presence of an electron mediator, WST-3 is reduced to WST-3 formazan by NADH and displays an absorption maxima of 433 nm ^[1] .
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REFERENCES

[1]. Schrader PS, et al. High-throughput screening assay for biological hydrogen production. Anal Chem. 2008 Jun 1;80(11):4014-9.

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

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