

WST-1

Chemical Properties

CAS No.:	150849-52-8
Formula:	C ₁₉ H ₁₁ IN ₅ NaO ₈ S ₂
Molecular Weight:	651.33
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	WST-1 is an NADH chromogenic indicator.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.535 mL	7.677 mL	15.353 mL
5 mM	0.307 mL	1.535 mL	3.071 mL
10 mM	0.154 mL	0.768 mL	1.535 mL
50 mM	0.031 mL	0.154 mL	0.307 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Bahadar H, Maqbool F, Niaz K, Abdollahi M. Toxicity of Nanoparticles and an Overview of Current Experimental Models. Iran Biomed J. 2016;20(1):1-11. Epub 2015 Aug 19. Review. PubMed PMID: 26286636; PubMed Central PMCID: PMC4689276.
2. Błaszczak-Świątkiewicz K, Mikiciuk-Olasik E. Some characteristics of activity of potential chemotherapeutics--benzimidazole derivatives. Adv Med Sci. 2015 Mar;60(1):125-32. doi: 10.1016/j.advms.2015.01.004. Epub 2015 Jan 21. Review. PubMed PMID: 25725479.
3. Tournéize J, Sapin-Minet A, Bartosz G, Leroy P, Boudier A. Pitfalls of assays devoted to evaluation of oxidative stress induced by inorganic nanoparticles. Talanta. 2013 Nov 15;116:753-63. doi: 10.1016/j.talanta.2013.07.077. Epub 2013 Aug 7. Review. PubMed PMID: 24148470.
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