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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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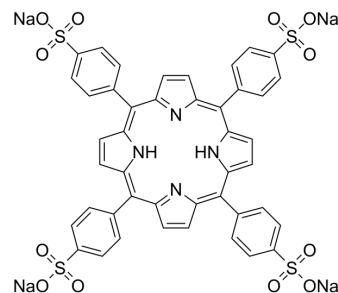
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TSPP tetrasodium

Cat. No.:	HY-W035051
CAS No.:	39050-26-5
Molecular Formula:	C ₄₄ H ₂₆ N ₄ Na ₄ O ₁₂ S ₄
Molecular Weight:	1022.92
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (32.58 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		0.9776 mL	4.8880 mL	9.7759 mL
	5 mM		0.1955 mL	0.9776 mL	1.9552 mL
	10 mM		0.0978 mL	0.4888 mL	0.9776 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

TSPP tetrasodium is a photosensitizer that has shown impressive effects in in vivo regression of cancer and microorganism infections (Ex: 413 nm, Em: 640 nm)^{[1][2]}.

REFERENCES

- [1]. Ding J, et al. In vivo photodynamic therapy and magnetic resonance imaging of cancer by TSPP-coated Fe₃O₄ nanoconjugates. J Biomed Nanotechnol. 2010 Dec;6(6):683-6.
- [2]. Kathiravan A, et al. Interaction of meso-tetrakis (p-sulfonatophenyl) porphyrin (TSPP) with pyrimidines: A steady state and time-resolved fluorescence quenching study. Journal of Molecular Structure, 2009, 919(1-3): 79-82.

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

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