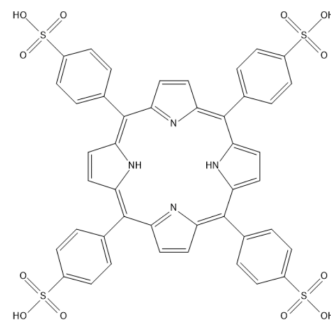


TPPS

Cat. No.:	HY-W075353		
CAS No.:	35218-75-8		
Molecular Formula:	C ₄₄ H ₃₀ N ₄ O ₁₂ S ₄		
Molecular Weight:	934.99		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 62.5 mg/mL (66.85 mM; Need ultrasonic)
 H₂O : 31.25 mg/mL (33.42 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent \ Mass	1 mg	5 mg	10 mg
	Concentration			
	1 mM	1.0695 mL	5.3477 mL	10.6953 mL
	5 mM	0.2139 mL	1.0695 mL	2.1391 mL
	10 mM	0.1070 mL	0.5348 mL	1.0695 mL

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

BIOLOGICAL ACTIVITY

Description

TPPS can be used as a non-cytotoxic probe for detecting tumor location^[1].

In Vitro

TPPS (0-20 µg/mL) shows no toxicity in Vero and HEP-2 cells in vitro and predominantly locates in the soluble and protein fractions in cells^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

In Vivo

TPPS4 shows the highest tumor to tissue ratios after 96 hours injection with a dose dependent manner^[2].

TPPS4 appears to be cleared through the kidneys and absolute concentrations there are reduced with increasing time after injection^[2].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Austen JD, et al. Intracellular localization of meso-Tetra(p-sulfohenyl)porphine: a potential tumor localizing agent. Cancer Treat Rep. 1978 Apr;62(4):511-8.

[2]. <https://pubmed.ncbi.nlm.nih.gov/201378/>

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA