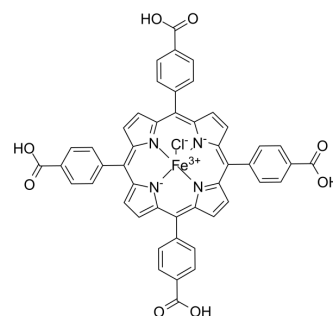


FeTCPP

Cat. No.:	HY-W075707		
CAS No.:	55266-17-6		
Molecular Formula:	C ₄₈ H ₂₈ ClFeN ₄ O ₈		
Molecular Weight:	880.06		
Target:	Biochemical Assay Reagents		
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 : 10 mg/mL (11.36 mM; ultrasonic and warming and heat to 60°C)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.1363 mL	5.6814 mL	11.3629 mL
	5 mM	0.2273 mL	1.1363 mL	2.2726 mL
	10 mM	0.1136 mL	0.5681 mL	1.1363 mL

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

BIOLOGICAL ACTIVITY

Description

FeTCPP (Iron(III) meso-Tetra(4-carboxyphenyl)porphine chloride) is a metallic porphyrin compound formed by the coordination of a central iron ion (Fe³⁺) with four 4-carboxyphenylporphyrins (TCPP). FeTCPP can be used as a catalyst for catalytic, electrochemical, photochemical and biomedical research. FeTCPP has high photocatalytic performance for p-nitrophenol under visible light. FeTCPP also has peroxidase-like activity, which is used in bionic catalysis research^{[1][2]}.

REFERENCES

[1]. Li S, et al. Fabrication of FeTCPP@ CNNS for Efficient Photocatalytic Performance of p-Nitrophenol under Visible Light[J]. Catalysts, 2023, 13(4): 732.

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

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