

FeTCPP chloride

Chemical Properties

CAS No. :	55266-17-6
Formula:	C ₄₈ H ₂₈ ClFeN ₄ O ₈
Molecular Weight:	880.056
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

Biological Description

Description	FeTCPP chloride (Iron(III) meso-Tetra(4-carboxyphenyl)porphine chloride) is a metalloporphyrin compound characterized by a central iron ion (Fe ³⁺) coordinated with four 4-carboxyphenylporphine (TCPP) ligands. It serves as a catalyst in catalysis, electrochemical, photochemical, and biomedical research. Under visible light, FeTCPP chloride exhibits high photocatalytic efficiency towards p-nitrophenol. Additionally, it possesses peroxidase-like activity, making it useful in biomimetic catalysis studies.
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Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.0227 mL	0.1136 mL	0.2273 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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