



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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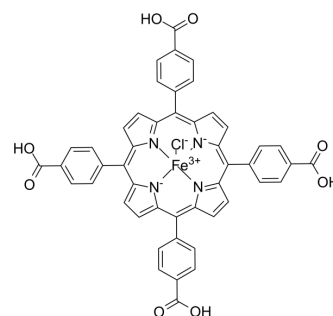
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## FeTCPP

<b>Cat. No.:</b>	HY-W075707		
<b>CAS No.:</b>	55266-17-6		
<b>Molecular Formula:</b>	C <sub>48</sub> H <sub>28</sub> ClFeN <sub>4</sub> O <sub>8</sub>		
<b>Molecular Weight:</b>	880.06		
<b>Target:</b>	Biochemical Assay Reagents		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



## SOLVENT & SOLUBILITY

### In Vitro

DMSO : 25 mg/mL (28.41 mM; Need ultrasonic)

Concentration	Solvent	Mass	Preparing Stock Solutions		
			1 mg	5 mg	10 mg
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.

### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (2.84 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (2.84 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (2.84 mM); Clear solution

## 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 (Fe<sup>3+</sup>) 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<sup>[1][2]</sup>.

## REFERENCES

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

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