

Electronic Supporting Information (ESI)

A Novel Drug-drug Nanohybrid for Self-delivery of Porphyrin and Cis-platinum†

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Contents

1. Experimental procedures

1.1 Synthetic process

1.2 ^1H NMR spectrum

2. Results and discussion

2.1 TEM images of PCNH

2.2 ξ potential of the samples

2.3 X-Ray photoelectron spectroscopy (XPS)

2.4 Fluorescence spectra of singlet oxygen

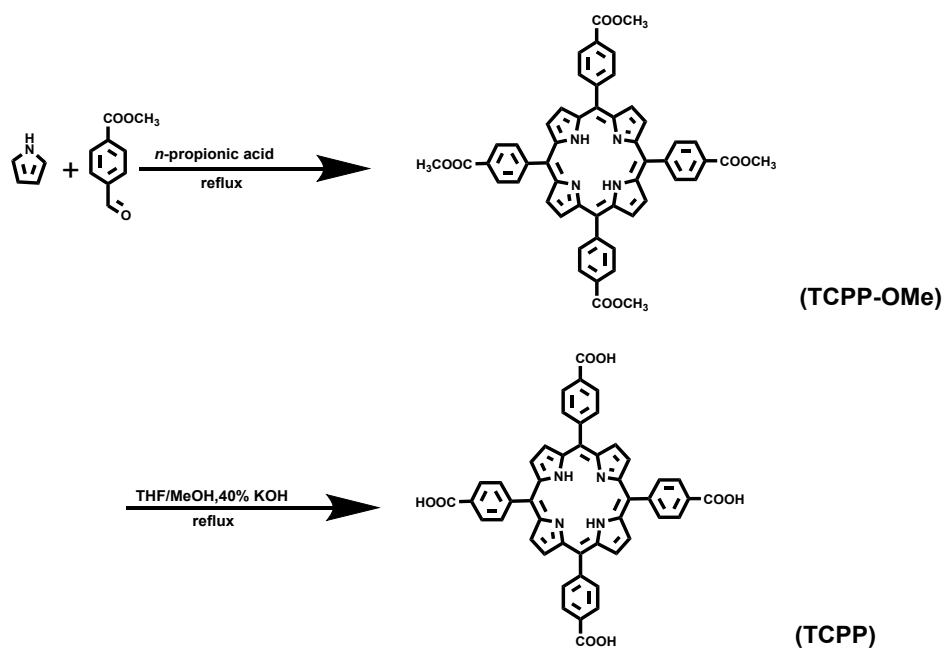
2.5 UV-vis absorbance spectrum of TCPP and PCNH

2.6 Different photostability between TCPP and PCNH

2.7 Cell viability against different concentration of TCPP, cis-platinum and PCNH

1. Experimental procedures

1.1 Synthetic process



Scheme S1 synthetic procedure for TCPP

1.2 ^1H NMR spectra.

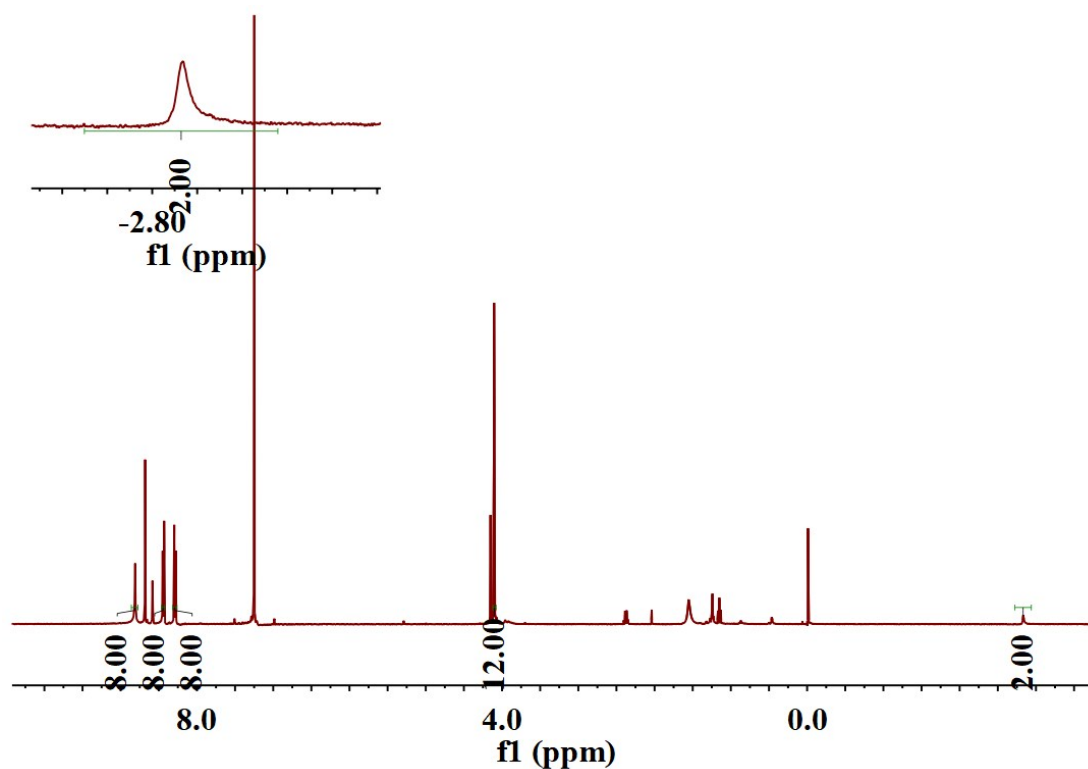


Fig. S1 ^1H -NMR spectrum of TCPP-OMe

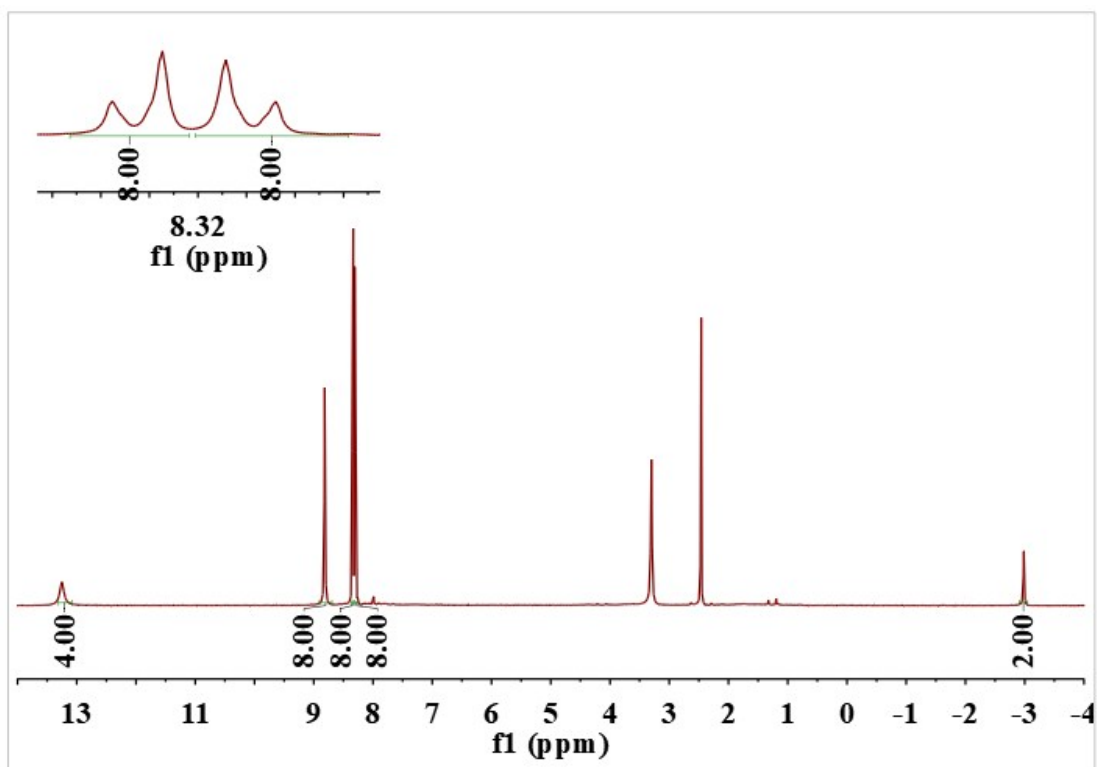


Fig. S2 ¹H-NMR spectrum of TCP

2. Results and discussion

2.1 TEM images of PCNH.

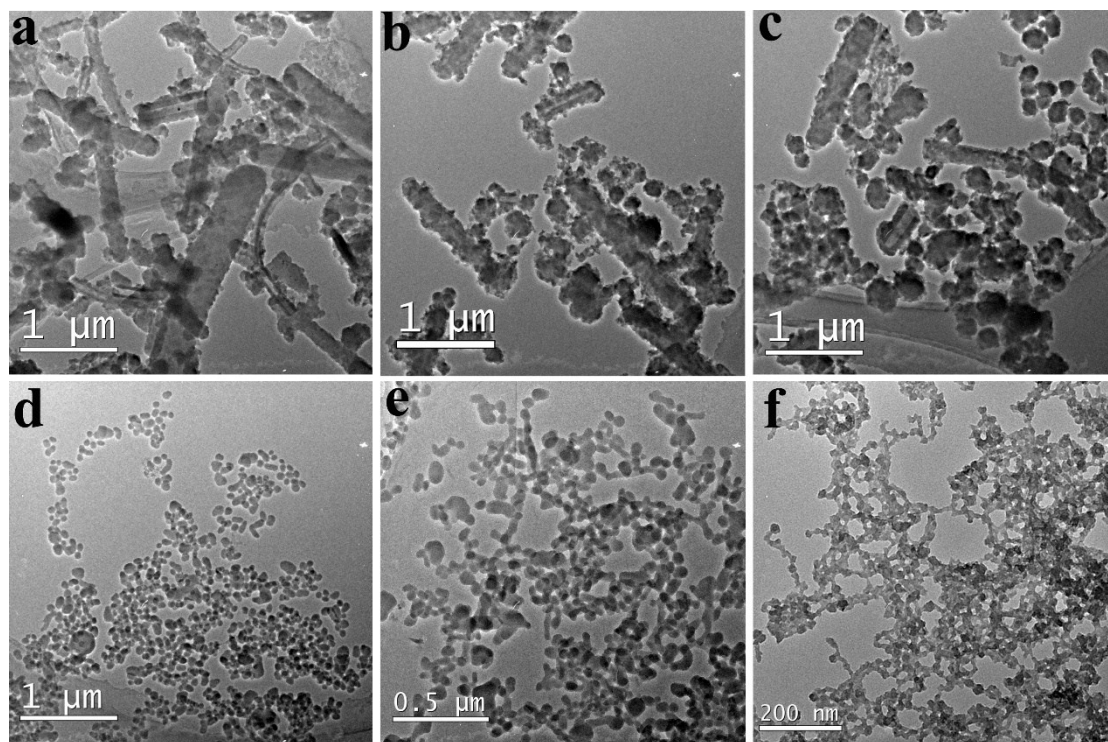


Fig. S3 TEM image of PCNH with 80 μL (a), 120 μL (b), 160 μL (c), 320 μL (d), 640 μL (e) and in water ($\text{pH} = 8$).

2.2 ζ potential of the samples

	TCPP	cis-platinum	PCNH
ζ potential (mV)	-14.7	+1.1	-8.7

Table S1 ζ potential of TCPP, cis - platinum and PCNH.

2.3 X-Ray photoelectron spectroscopy (XPS)

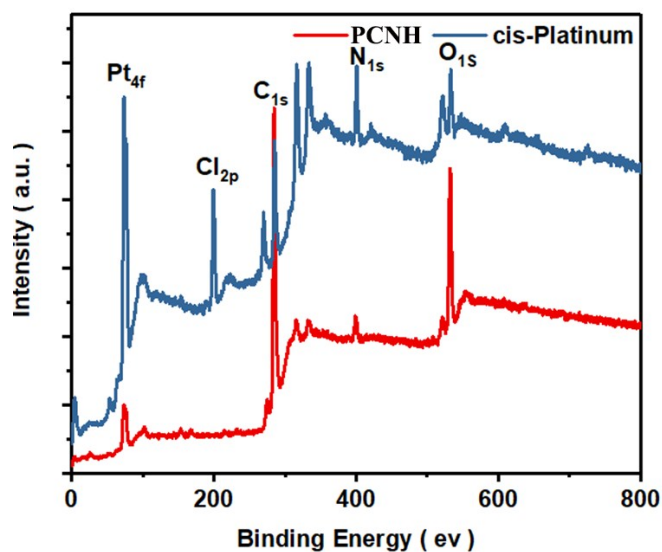


Fig. S4 XPS of cis-Platinum and PCNH

2.4 Fluorescence spectra of singlet oxygen

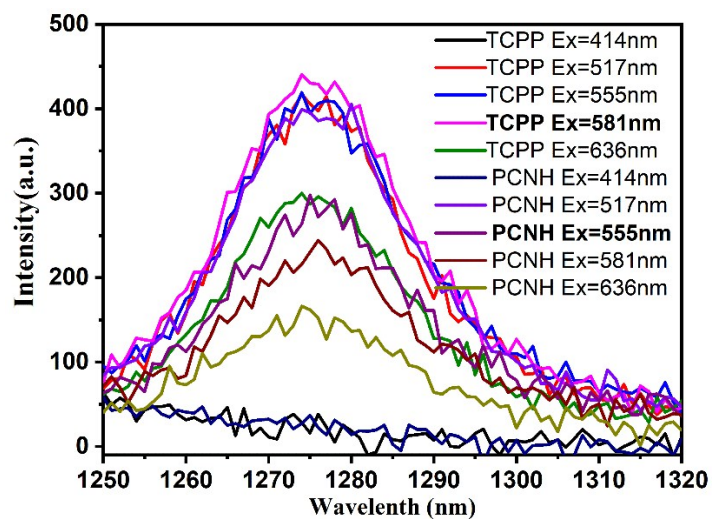


Fig. S5 Fluorescence spectra of singlet oxygen of TCPP and PCNH excited by light with different wavelength.

2.5 UV-vis absorbance spectrum of TCPP and PCNH

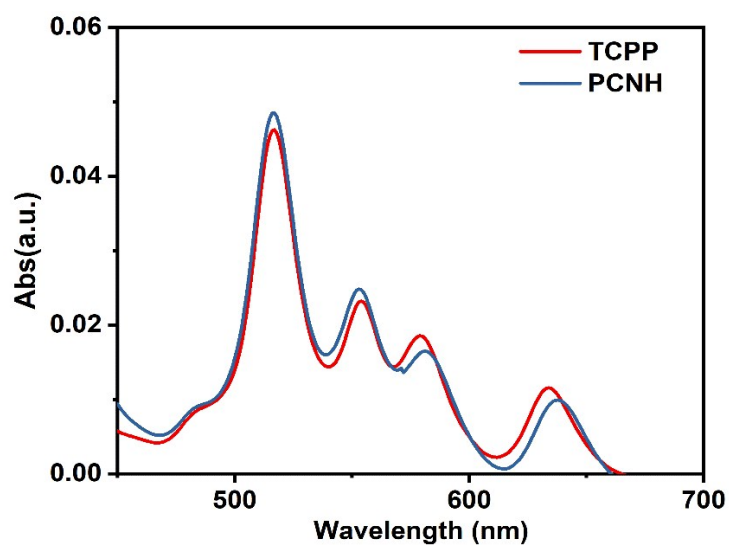


Fig. S6 UV-Vis spectroscopy of TCPP and PCNH.

2.6 Different photostability between TCPP and PCNH

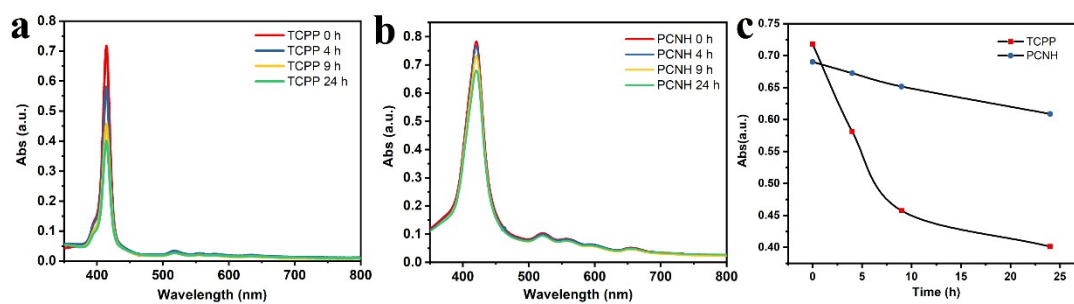


Fig. S7 Absorption spectrum of TCPP (a), PCNH (b) and downtrend (419 nm) at special time.

2.7 Cell viability against different concentration of TCPP, cis-platinum and PCNH

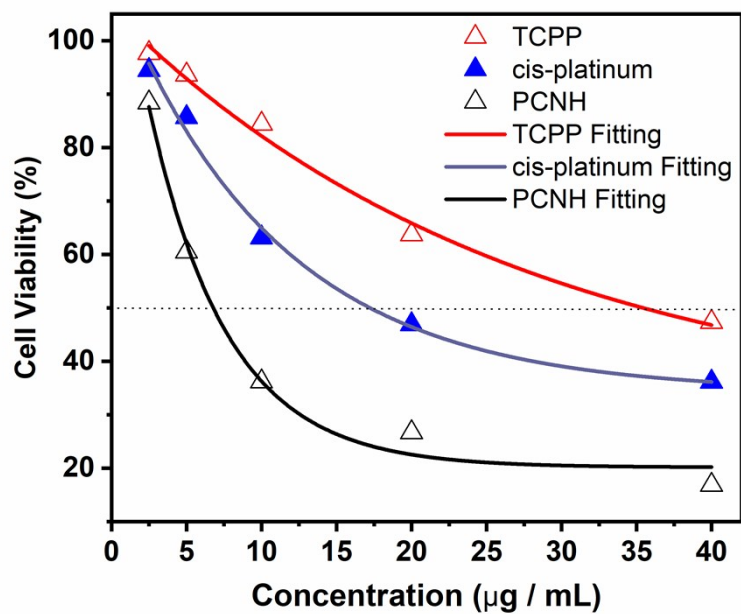


Fig. S8 Plot of cell viability against different concentration of TCPP, cis - platinum and PCNH. (dash line corresponds to IC_{50}).