Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Supporting Information

Lysosomal targeted NIR photosensitizer for photodynamic therapy and two-photon fluorescent imaging

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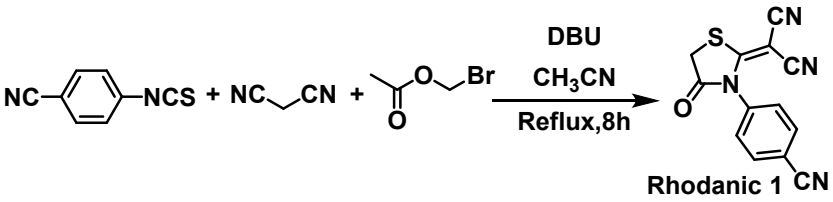
Contents



Scheme S1 The Synthesis routine of Rhodanic 1

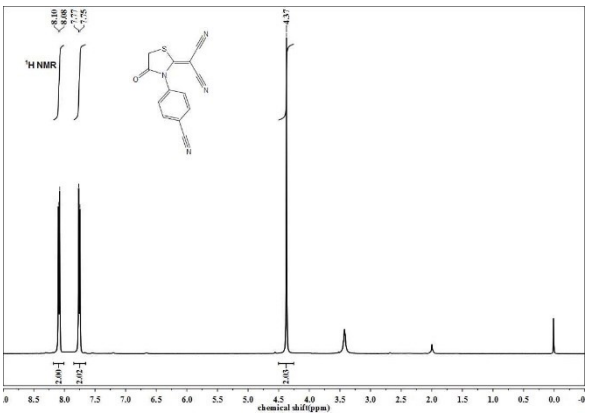


Fig. S1 The^{1}H NMR of Rhodanic 1

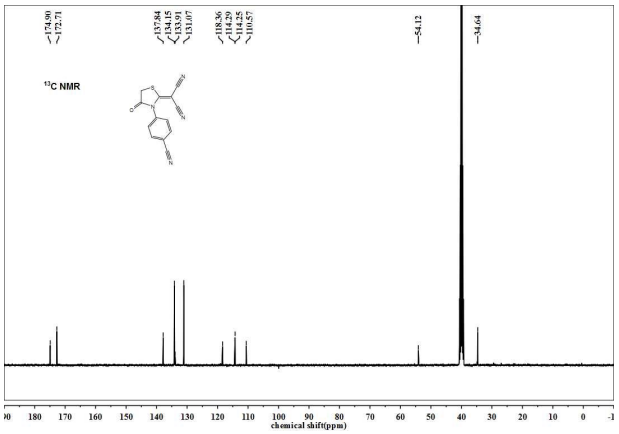


Fig. S2 The^{13}C NMR of Rhodanic 1

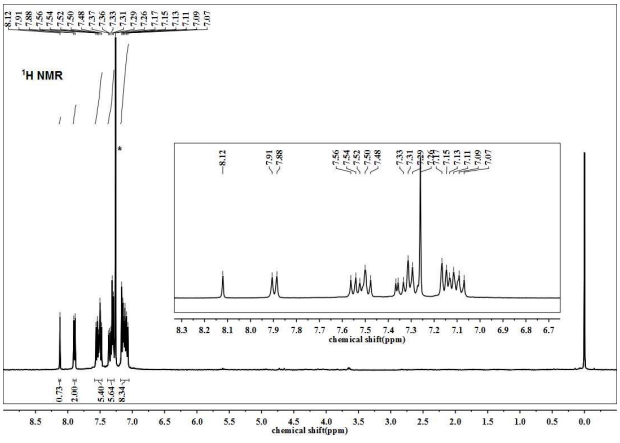


Fig. S3The ^{1}H NMR of TTRh-CN

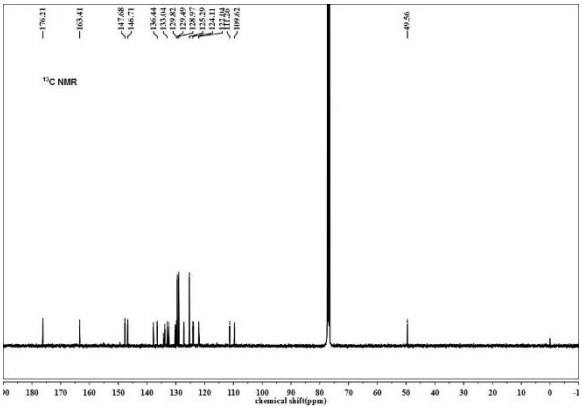


Fig. S4 The ^{13}C NMR of TTRh-CN

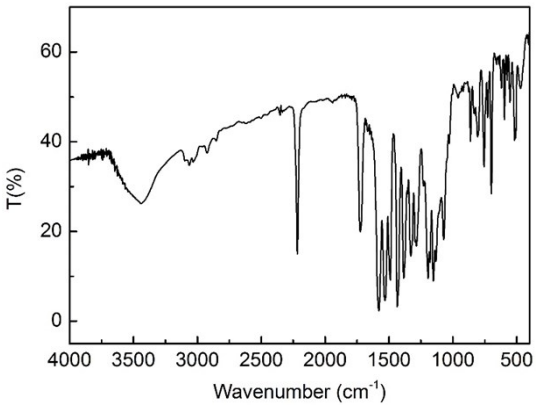


Fig. S5 The IR Spectrum of TTRh-CN

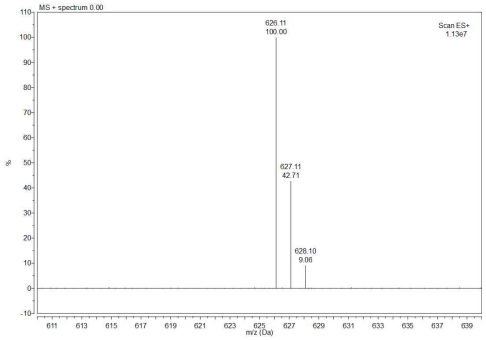


Fig. S6 The Mass Spectrum of TTRh-CN

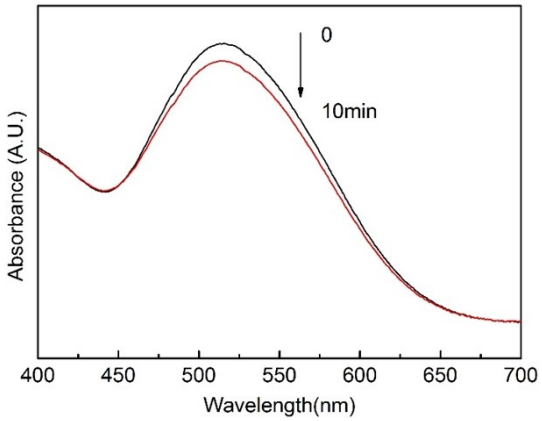


Fig. S7 The absorption spectra of TTRh-CN before and after irradiation (300mW/cm^2, 10min)

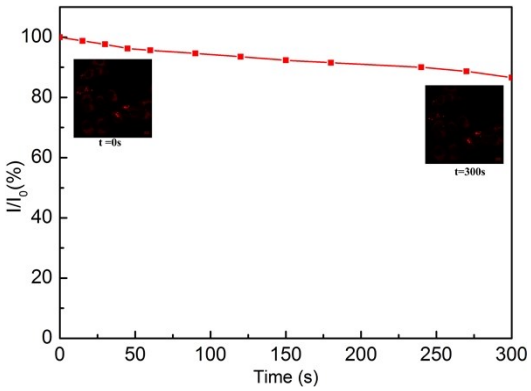


Fig. S8 The photostability of TTRh-CN *in vitro*

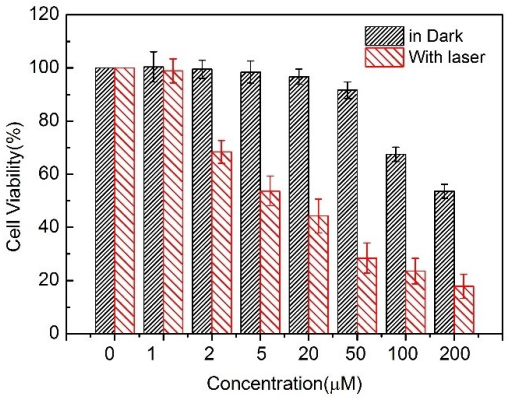


Fig. S9 The cell viability of TTRh-CN in dark or upon irradiation

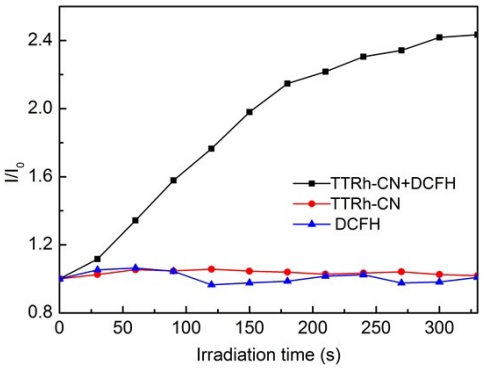


Fig. S10 ROS generation of TTRh-CN(2 μM) upon light irradiation (60 mW/cm^2) using dichlorofluorescin diacetate as an indicator.

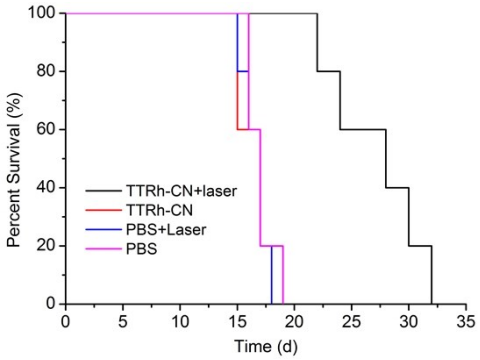


Fig. S11 Survival rates of the mice receiving various treatment