Supporting Information

1- Nitronyl nitroxide pyrene as a new off-on fluorescent chemosensor for Cu^{2+}

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Table of contents

page	Contents
p. 1	**Figure S1:** Fluorescence spectra of **1** (1.0×10^{-5} mol/L) and upon addition of Cu^{2+}, CH_3COOOH in CH_3CN with excitation at 340 nm.
p. 2	**Scheme S1:** The structure of three nitronyl nitroxides. **Figure S2:** UV-Vis absorption spectra of three nitronyl nitroxides (1.0×10^{-5} mol/L) in CH_3CN. **Table S1:** Ultraviolet Absorption Maximam of the three nitronyl nitroxides in CH_3CN.

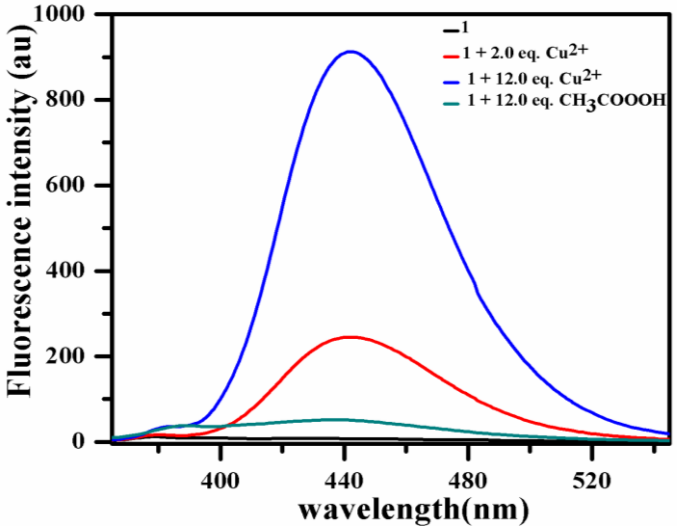
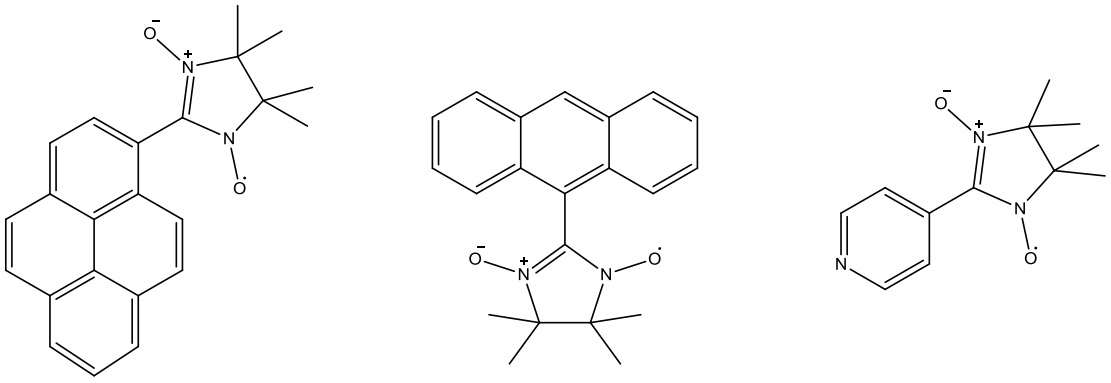


Figure S1: Fluorescence spectra of **1** (1.0×10^{-5} mol/L) and upon addition of Cu^{2+}, CH_3COOOH in CH_3CN with excitation at 340 nm.



1 2 3

Scheme S1: The structure of three nitronyl nitroxides.

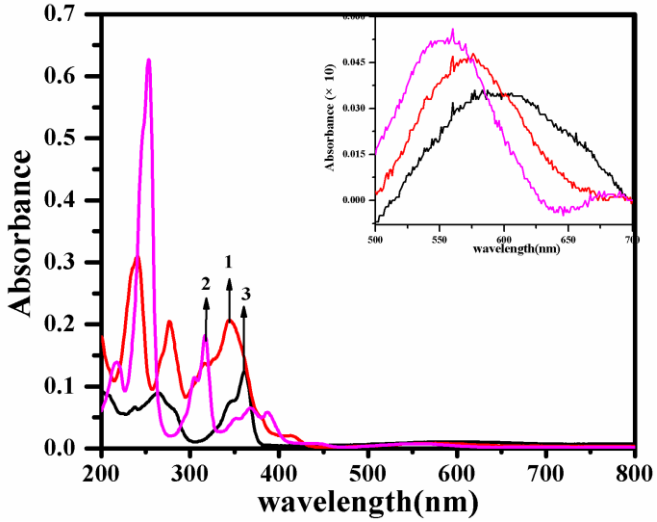


Figure S2:UV-Vis absorption spectra of three nitronyl nitroxides (1.0×10^{-5} mol/L) in CH_3CN

Table S1: Ultraviolet Absorption Maximam of the three nitronyl nitroxides in CH_3CN.

Compound	$\lambda_{max,nm}$ (ε, $L\cdot mol^{-1}\cdot cm^{-1}$)			
1	241(30960)	276(20500)	345(20700)	555(520)
2	253(62720)		317(18200)	573(460)
3	264(8980)		361(12360)	613(210)