

Photooxidation of 1,5-dihydroxynaphthalene with iridium complexes as singlet oxygen sensitizers

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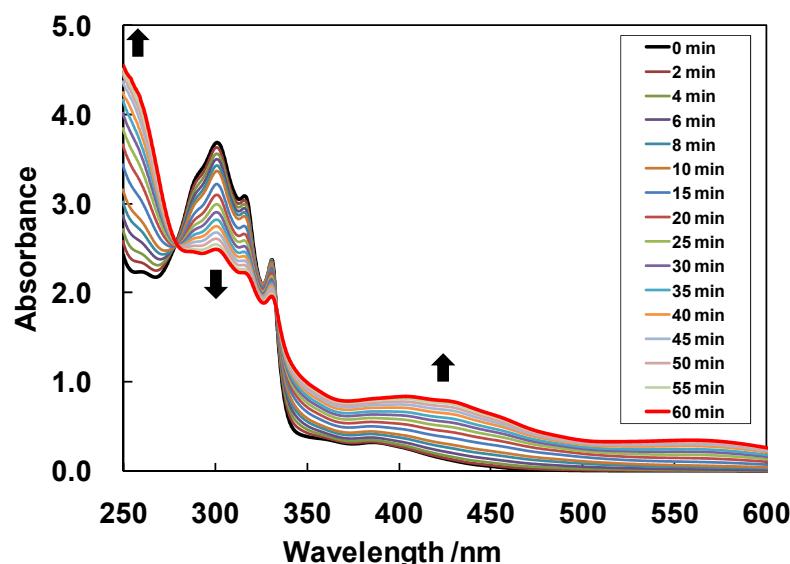


Fig. S1. Spectral change for the photooxidation of DHN using complex **2** as a sensitizer.

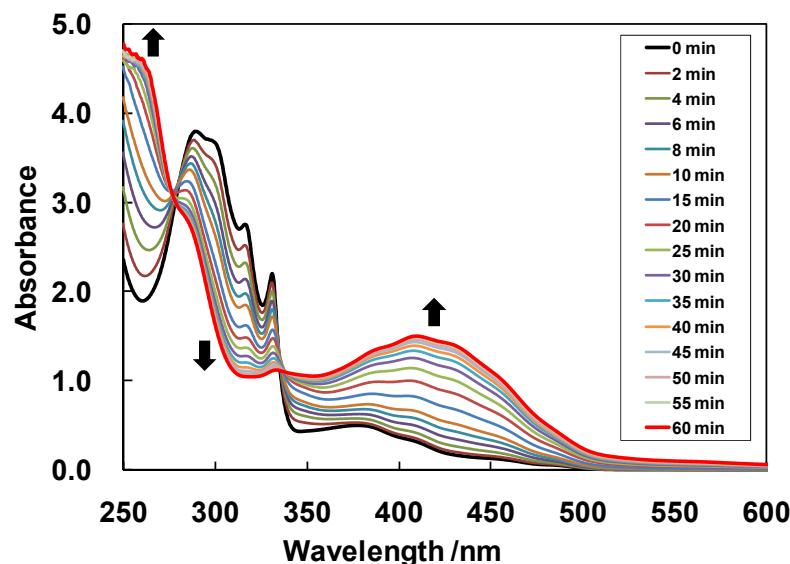


Fig. S2. Spectral change for the photooxidation of DHN using complex **3** as a sensitizer.

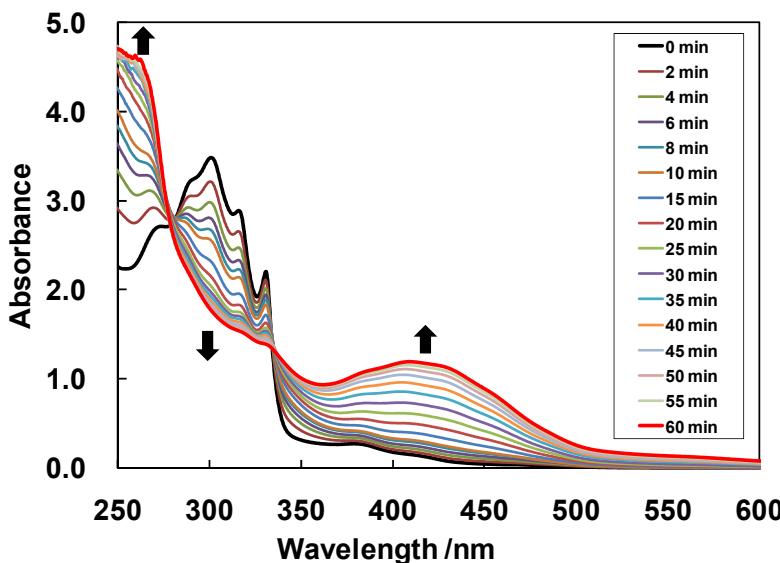


Fig. S3. Spectral change for the photooxidation of DHN using complex **4** as a sensitizer.

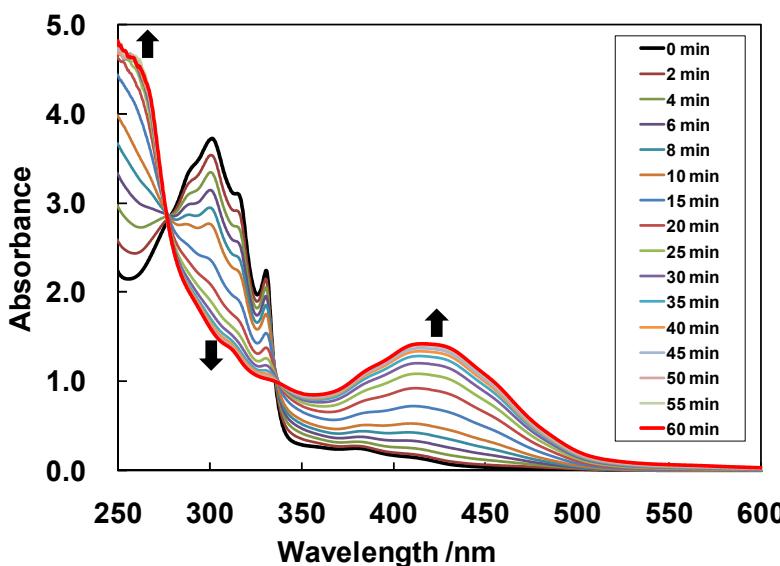


Fig. S4. Spectral change for the photooxidation of DHN using complex **5** as a sensitizer.

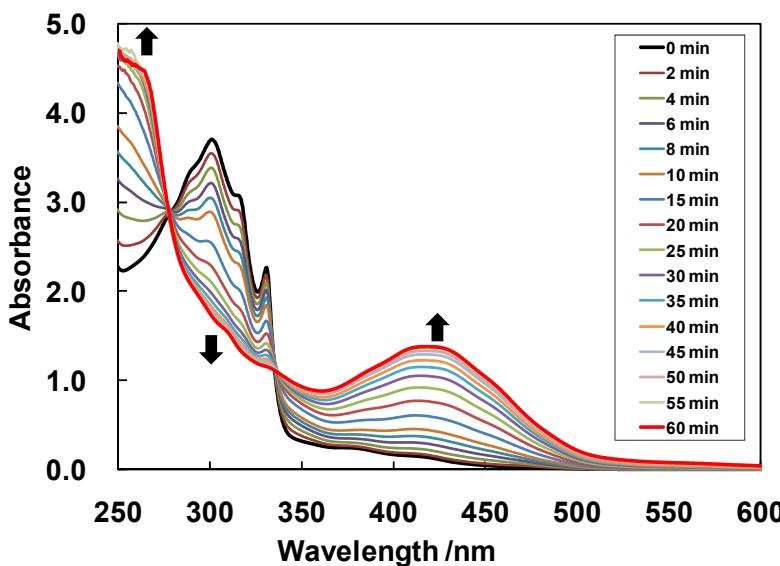


Fig. S5. Spectral change for the photooxidation of DHN using complex **6** as a sensitizer.

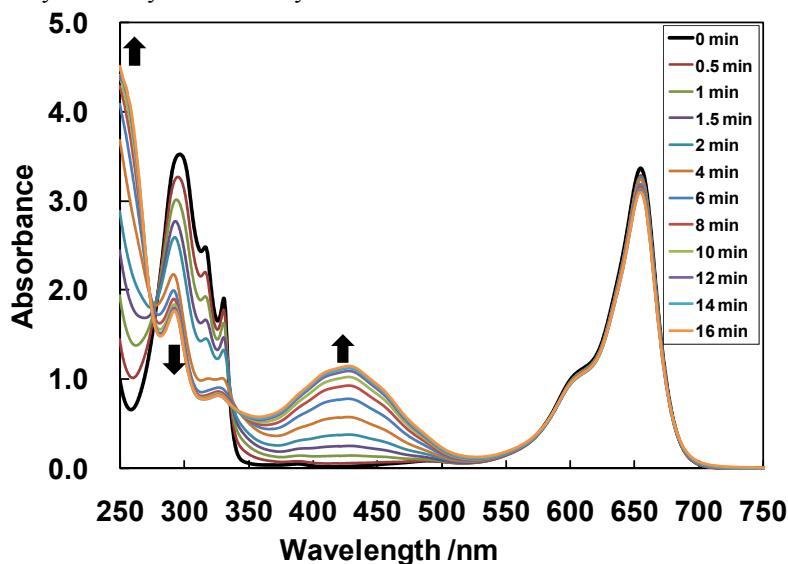


Fig. S6. Spectral change for the photooxidation of DHN using methylene blue (MB) as a sensitizer.

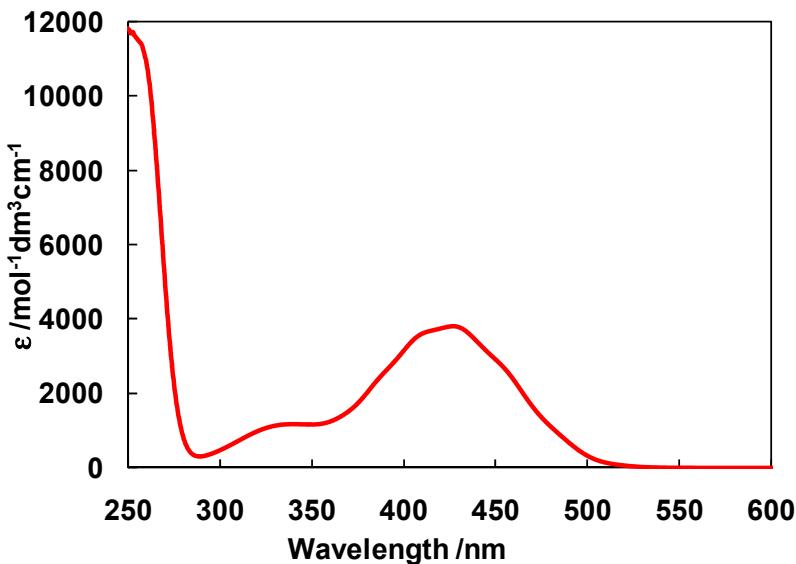


Fig. S7. UV-Vis absorption spectrum of Juglone in $\text{CH}_2\text{Cl}_2\text{-MeOH}$ (9:1).

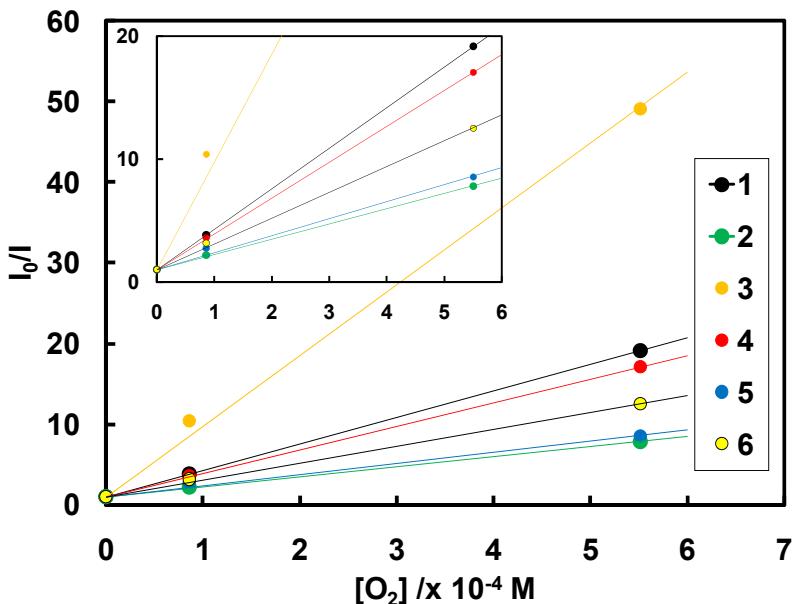


Fig. S8. Stern-Volmer plot for the quenching of sensitizer phosphorescence by oxygen.

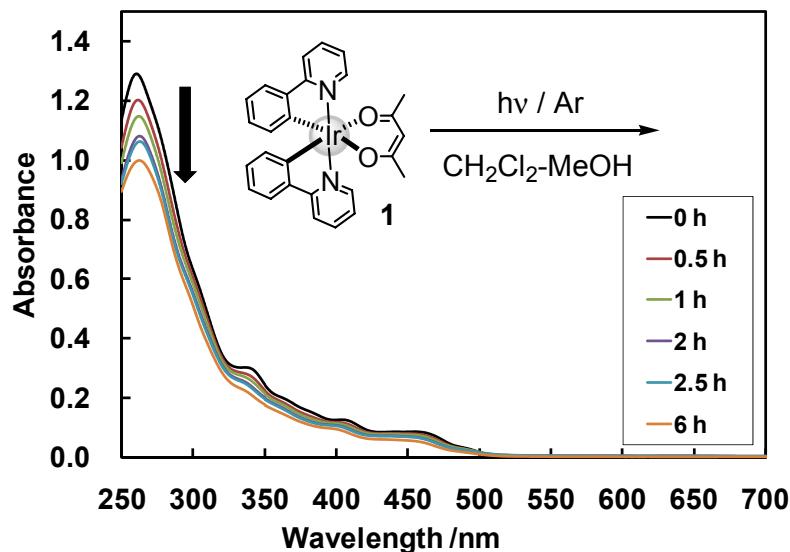


Fig. S9. Absorption spectral change of complex **1** upon irradiation ($\lambda > 350$ nm) under Ar.

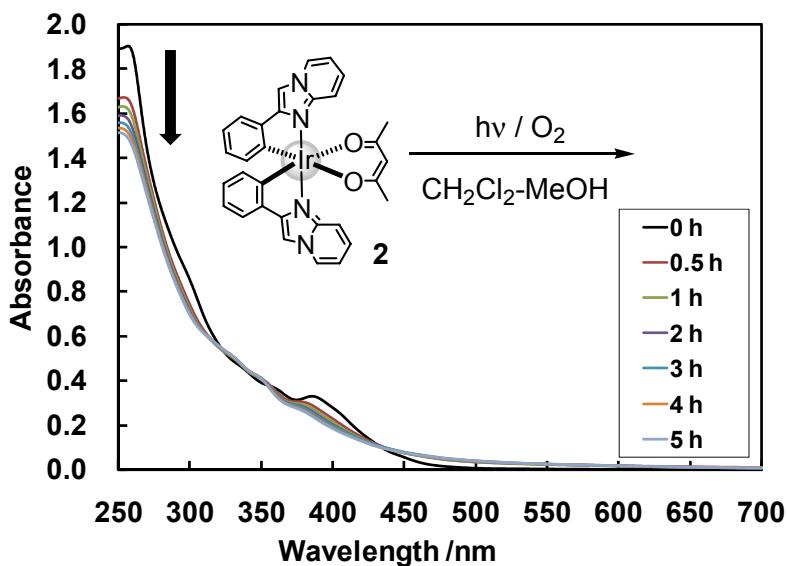


Fig. S10. Absorption spectral change of complex **2** upon irradiation ($\lambda > 350$ nm) under O₂.

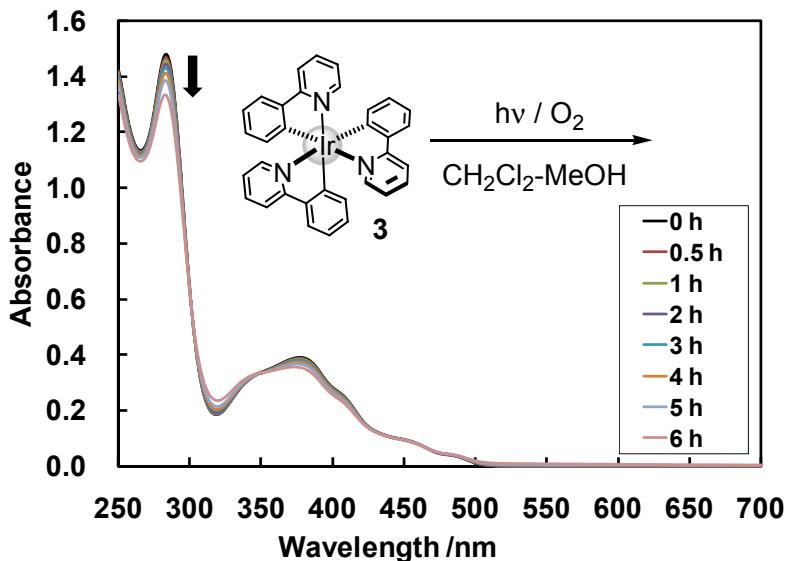


Fig. S11. Absorption spectral change of complex **3** upon irradiation ($\lambda > 350$ nm) under O_2 .

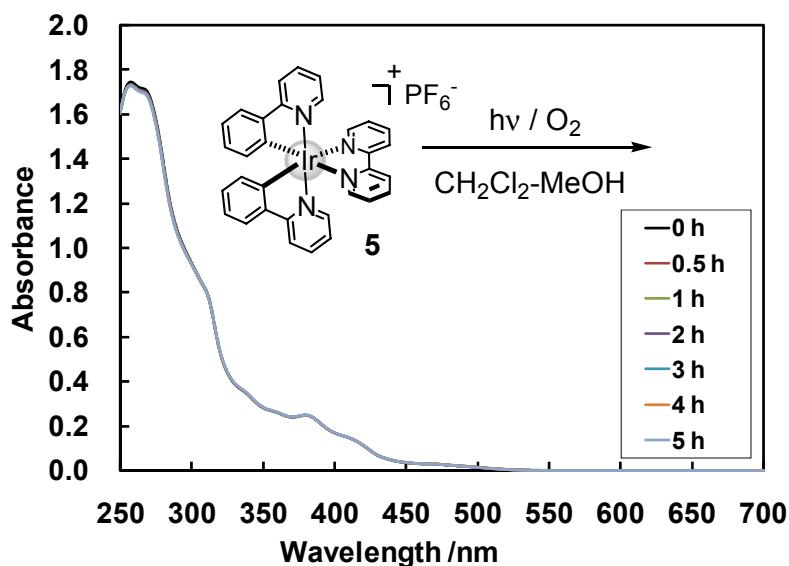


Fig. S12. Absorption spectral change of complex **5** upon irradiation ($\lambda > 350$ nm) under O_2 .

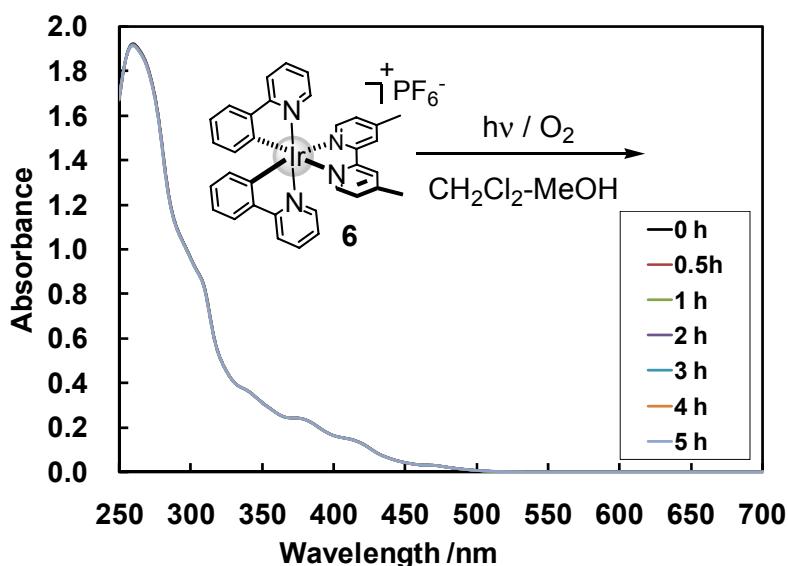


Fig. S13. Absorption spectral change of complex **6** upon irradiation ($\lambda > 350$ nm) under O_2 .