

Appendix A. Supplementary data

Photoinduced NO-Release from Polymer Dots Doped with an Ir(III) Complex and *N*-Methyl-*N*-nitroso-4-aminophenol

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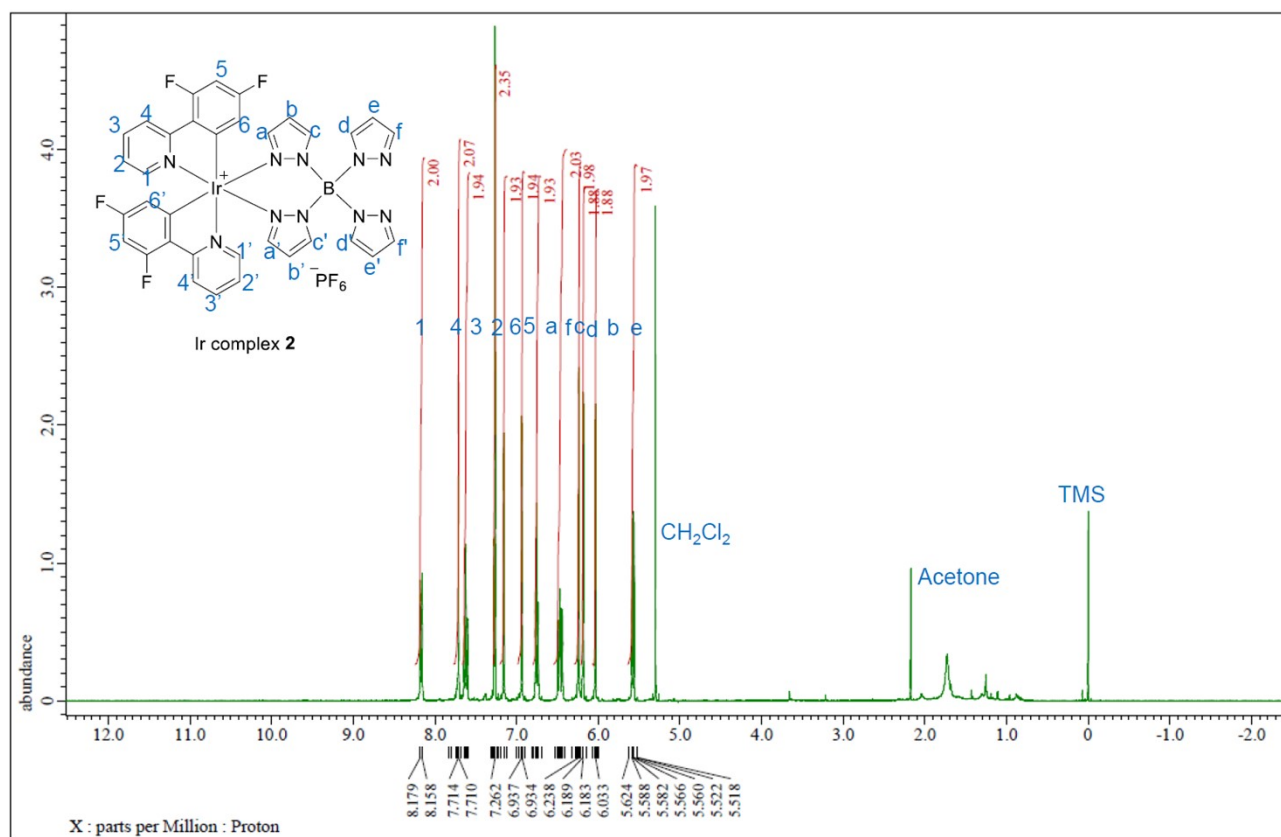


Chart S1. ¹H NMR spectrum of Ir complex 2.

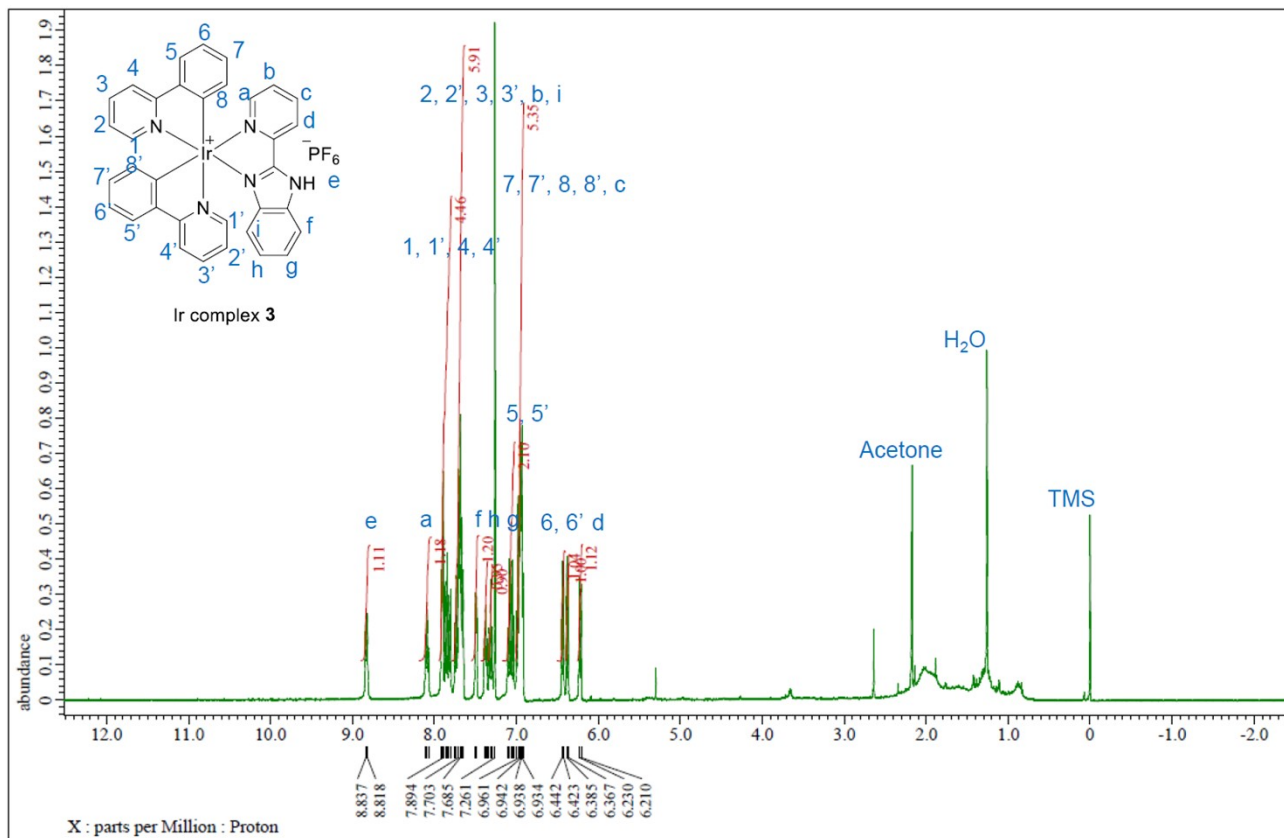


Chart S2. ¹H NMR spectrum of Ir complex 3.

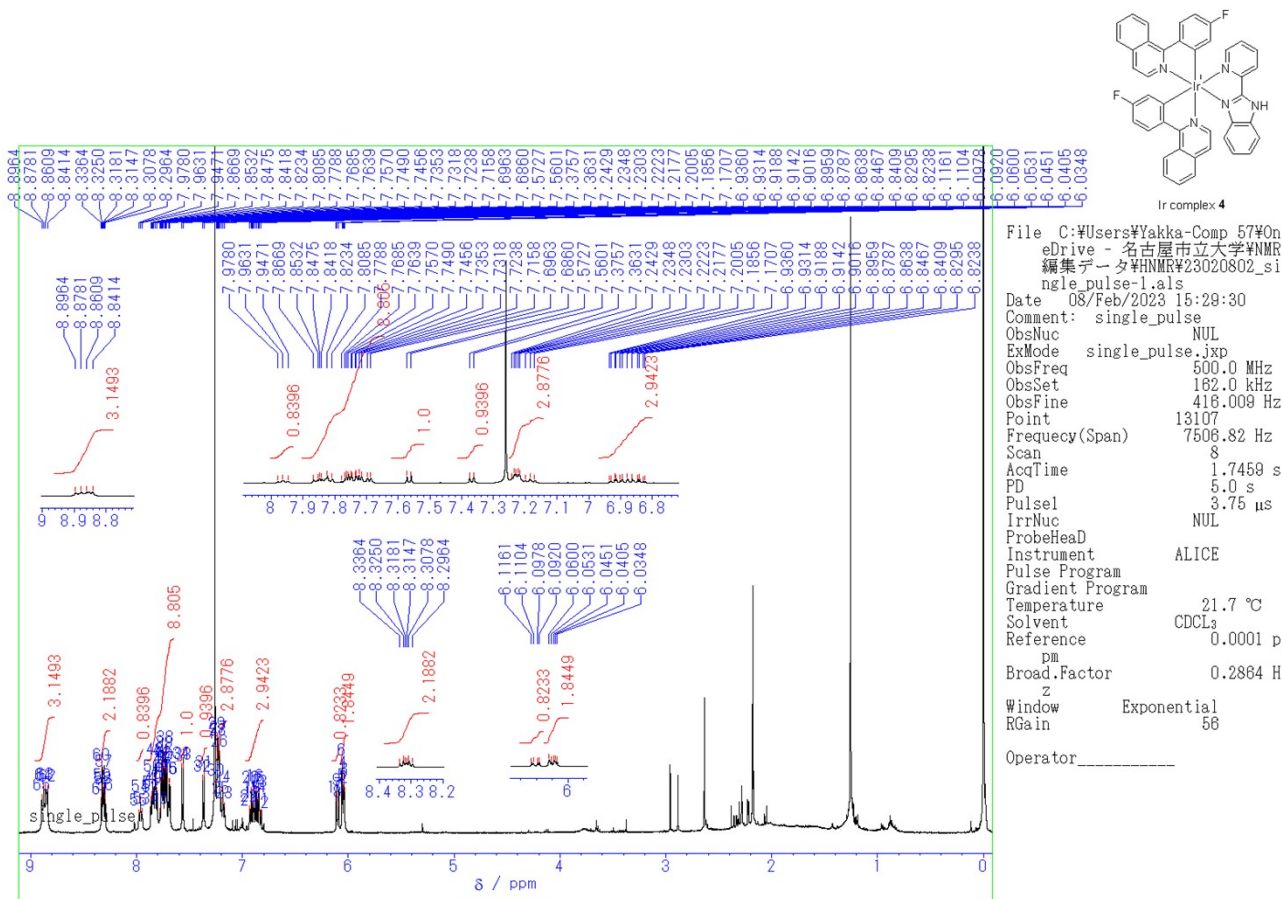
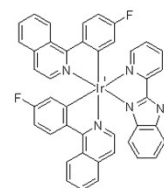


Chart S3. ¹H NMR spectrum of Ir complex 4.



Ir complex 4

File C:\Users\Yakka-Comp 57\OneDrive - 名古屋市立大学\NMR 編集データ\CNMR\23020901.a1

Original File: ¥¥172.25.198.11\¥¥DATA\¥¥YAKKA\¥¥SAITOH\¥¥23020901.s

Date 08/Feb/2023 20:12:16
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 ObsSet -1.0 kHz
 ObsFine 997.2585 H

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 Pulse2 0.0 µs
 Pulse3 0.0 µs
 P11 0.0 ms
 P12 0.0 ms
 P13 0.0 ms
 Loop1 0
 Point 131072(ZeroFi)

11: × 4)
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 PD 1.9514 s
 RGain 80
 Broad.Factor 0.25 Hz
 ExMode CARBON
 IrrNuc ¹H
 IrrFreq 0.0 MHz
 IrrSet 0.0 kHz
 IrrFine 0.0 Hz
 IrrPulse 0 µs
 IrrAttn 0
 Spinning 0.0 Hz
 Temperature 25.0 °C

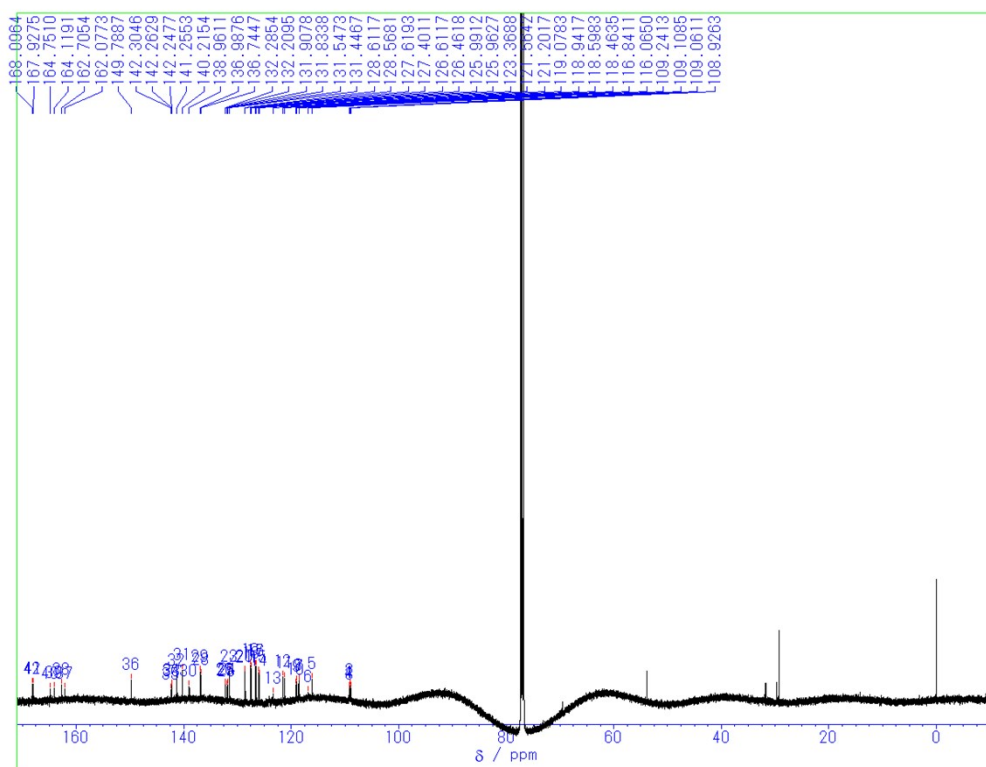


Chart S4. ¹³C NMR spectrum of Ir complex 4.

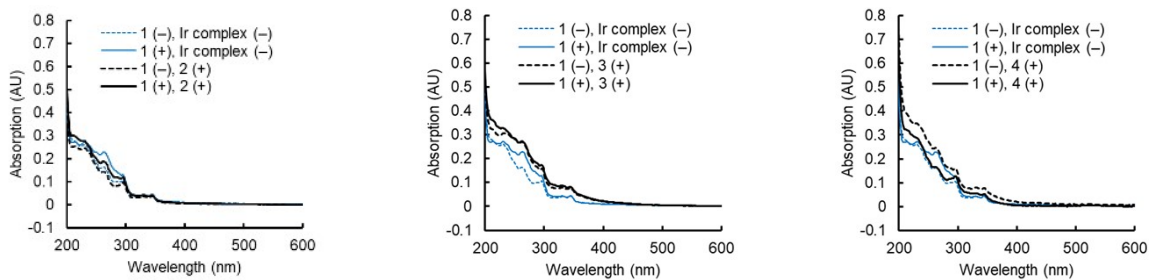


Figure S1. Absorption spectra of aqueous solutions of P-dots doped with various combinations of **1** and Ir complexes **2–4** as indicated. The increment of absorption around 300 to 400 nm is considered to be due to the doped Ir complexes.

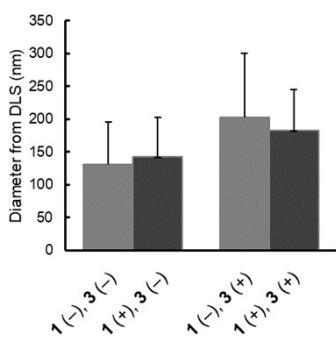


Figure S2. Diameter of doped P-dots. Solutions (1 mL) of undoped P-dots or P-dots doped with **1** or **3** or both were diluted 4-fold with MilliQ water and the diameter of the P-dots was determined by means of dynamic light scattering measurements. Data are expressed as mean + S.D.

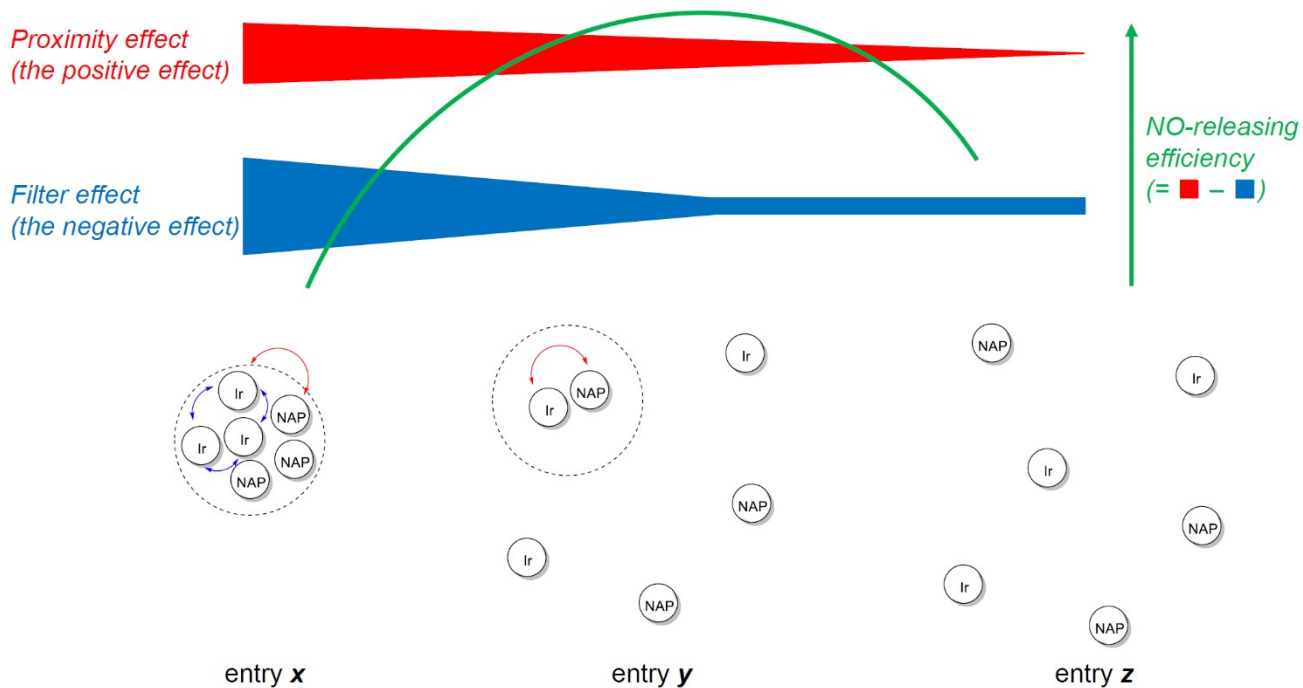


Figure S3. The schematic diagram for explanation of the difference of NO release in entry *x*, *y*, and *z*.

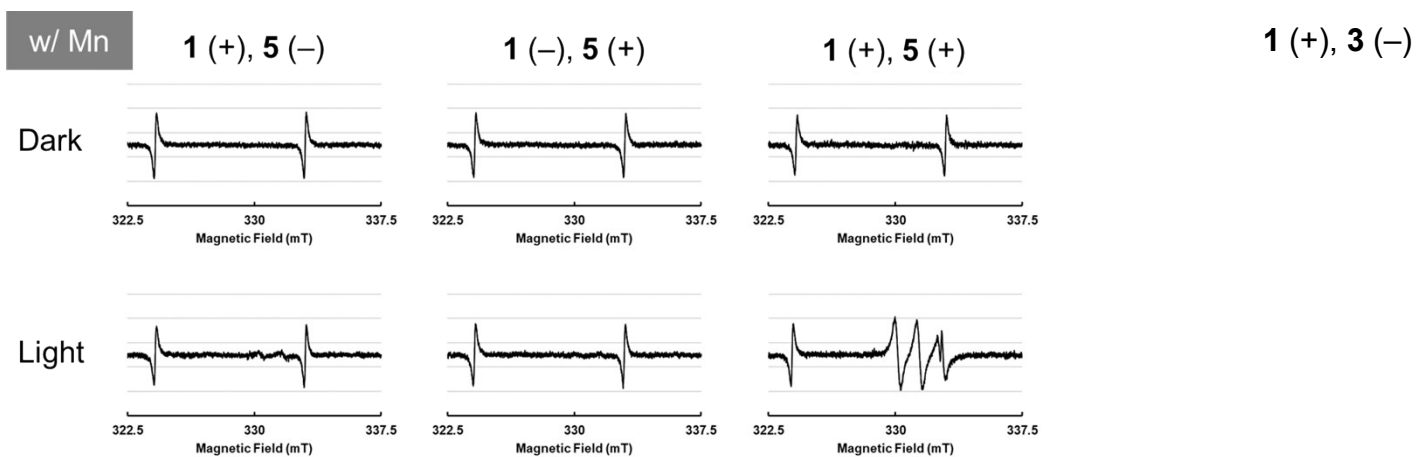


Figure S4. ESR spectra of P-dots doped with **1** or **3** or both, as indicated, together with $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$ (1.5 mM) and *N*-methylglucamine dithiocarbamate (6 mM) in HEPES buffer were irradiated (430–460 nm, 12 mW cm⁻², 10 min). ESR spectra were acquired using Mn^{2+} as a marker.