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β-Substituted Triarylborane Appended Porphyrin: photophysical

properties and anion sensing

Department of Chemistry, Indian Institute of Technology Indore, Indore- 452 017, India.

rajneeshmisra@iiti.ac.in

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Figure. S1. Benesi–Hildebrand plot of porphyrin 4 and 5 by plotting $1/(I_0-I)$ as a function of $1/[F^-]$



Figure S2. Absorption and Fluorescence titration spectra of triarylborane porphyrin 4 with TBACl in 1.0×10^{-6} M DCM solution at $\lambda_{ex} = 428$ nm



Figure S3. Absorption and Fluorescence titration spectra of triarylborane porphyrin 4 with TBABr in 1.0×10^{-6} M DCM solution at $\lambda_{ex} = 428$ nm



Figure S4. Absorption and Fluorescence titration spectra of triarylborane porphyrin 4 with TBAI in 1.0×10^{-6} M DCM solution at $\lambda_{ex} = 428$ nm



Figure S5. Absorption and Fluorescence titration spectra of triarylborane porphyrin 4 with TBACN in 1.0×10^{-6} M DCM solution at $\lambda_{ex} = 428$ nm



Figure S6. Absorption and Fluorescence titration spectra of metalated triarylborane porphyrin 5 with TBACl in 1.0×10^{-6} M DCM solution at $\lambda_{ex} = 432$ nm



Figure S7. Absorption and Fluorescence titration spectra of metalated triarylborane porphyrin 5 with TBABr in 1.0×10^{-6} M DCM solution at $\lambda_{ex} = 432$ nm



Figure S8. Absorption and Fluorescence titration spectra of metalated triarylborane porphyrin 5 with TBAI in 1.0×10^{-6} M DCM solution at $\lambda_{ex} = 432$ nm



spectra of metalated triarylborane porphyrin **5** with TBACN in 1.0×10^{-6} M DCM solution at λ_{ex}

= 432 nm



Figure S10. ¹H NMR titration spectra of triarylborane porphyrin **4** in CDCl₃



Figure S11. ¹H NMR titration spectra of metalated triarylborane porphyrin **5** in CDCl₃





Figure S12. ¹H NMR Spectra of 4

Figure S13. HRMS mass spectrum of compound 4.



Figure S14. ¹³C NMR Spectra of 4



Figure S15. ¹H NMR Spectra of 5



Figure S16. HRMS mass spectrum of compound 5.



Figure S17. ¹³C NMR Spectra of 5