Supporting Information for

One, Two, and Three Methylene Phosphonic Acid Groups (–CH$_2$PO$_3$H$_2$) on a Mesitylene Ring: …….

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Figure S1. IR spectrum of 1 as KBr diluted disc.

Figure S2. IR spectrum of 2 as KBr diluted disc.
Figure S3. IR spectrum of 3 as KBr diluted disc.

Figure S4. UV-vis spectrum of 1, 2 and 3 in methanol.
Figure S5. DR-UV spectra of 1, 2, and 3.
Figure S6. Fluorescence spectra of 1, 2 and 3 in methanol.

Figure S7. $^{31}$P NMR spectrum of 1 in CD$_3$OD.
Figure S8. $^{31}$P NMR spectrum of 2 in D$_2$O.

Figure S9. $^{31}$P NMR spectrum of 3 in D$_2$O.
Figure S10. Mass spectrum of 1.

Figure S12. Mass spectrum of 3.

Figure S13. $^1$H NMR spectrum of 1 in CD$_3$OD.
Figure S14. $^1$H NMR spectrum of 2 in D$_2$O.

Figure S15. $^1$H NMR spectrum of 3 in DMSO ($d_6$).