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Supporting Information

Polymerization of a Boronate Functionalized
Fluorophore by Double Transesterification.
Applications to Fluorescence Detection of
Hydrogen Peroxide Vapor

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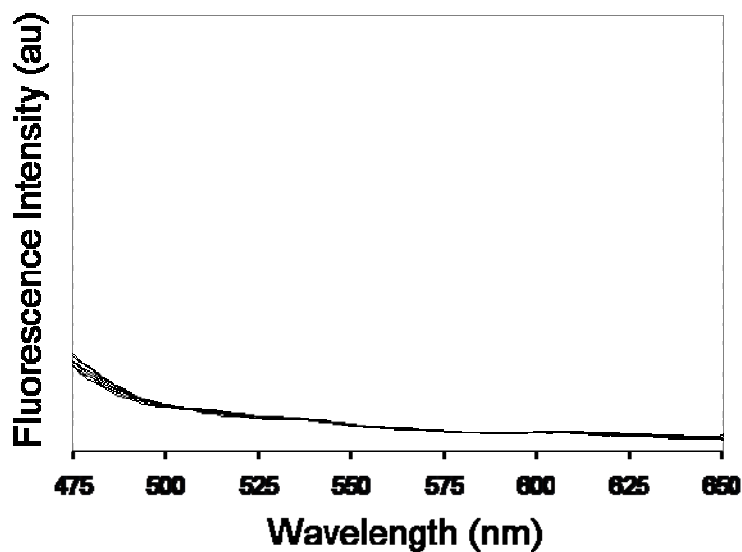


Figure S1. Fluorescence response of a 10 μg cm⁻² film of **PolyF-1** to UV light (302 nm) over a 5 h period. An increase in fluorescence intensity at 510 nm is not observed. The fluorescence intensity observed at 510 nm at each time point was used to derived 3σ for the detection limit calculations.

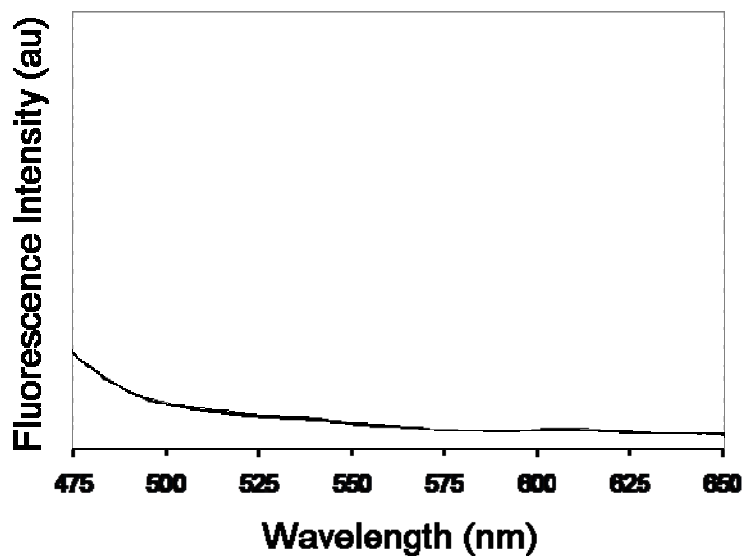


Figure S2. Fluorescence response of a 10 μg cm⁻² film of **PolyF-1** to ambient conditions over a 5 h period. An increase in fluorescence intensity at 510 nm is not observed.

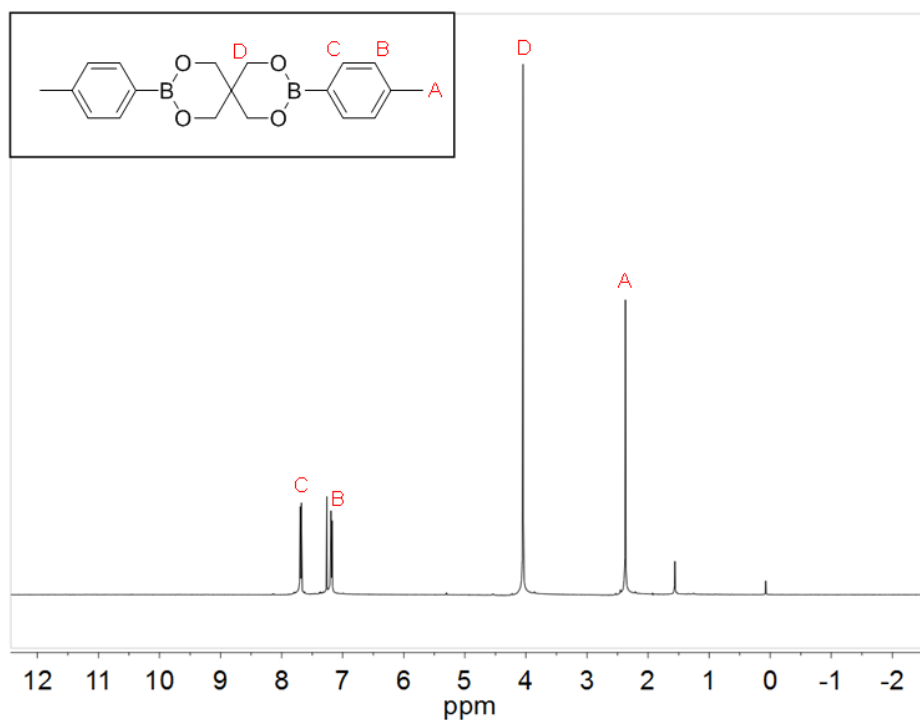


Figure S3. ^1H NMR spectrum of dimer 1.

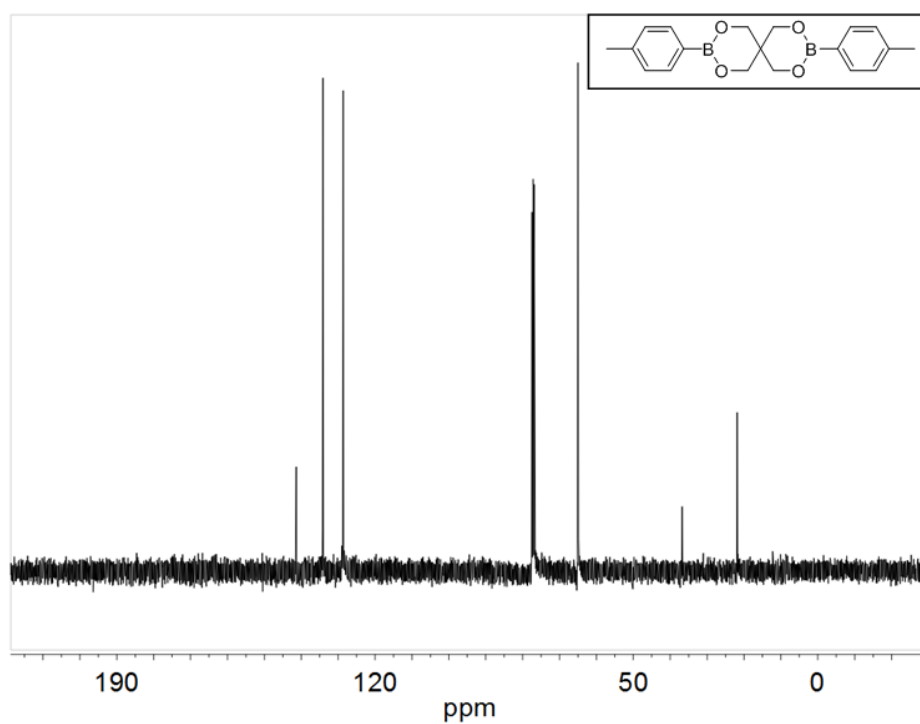


Figure S4. ^{13}C NMR spectrum of dimer 1.