

Novel Yellow Azo Pyridone Derivatives with Different Halide Atoms for Image-Sensor Color Filters

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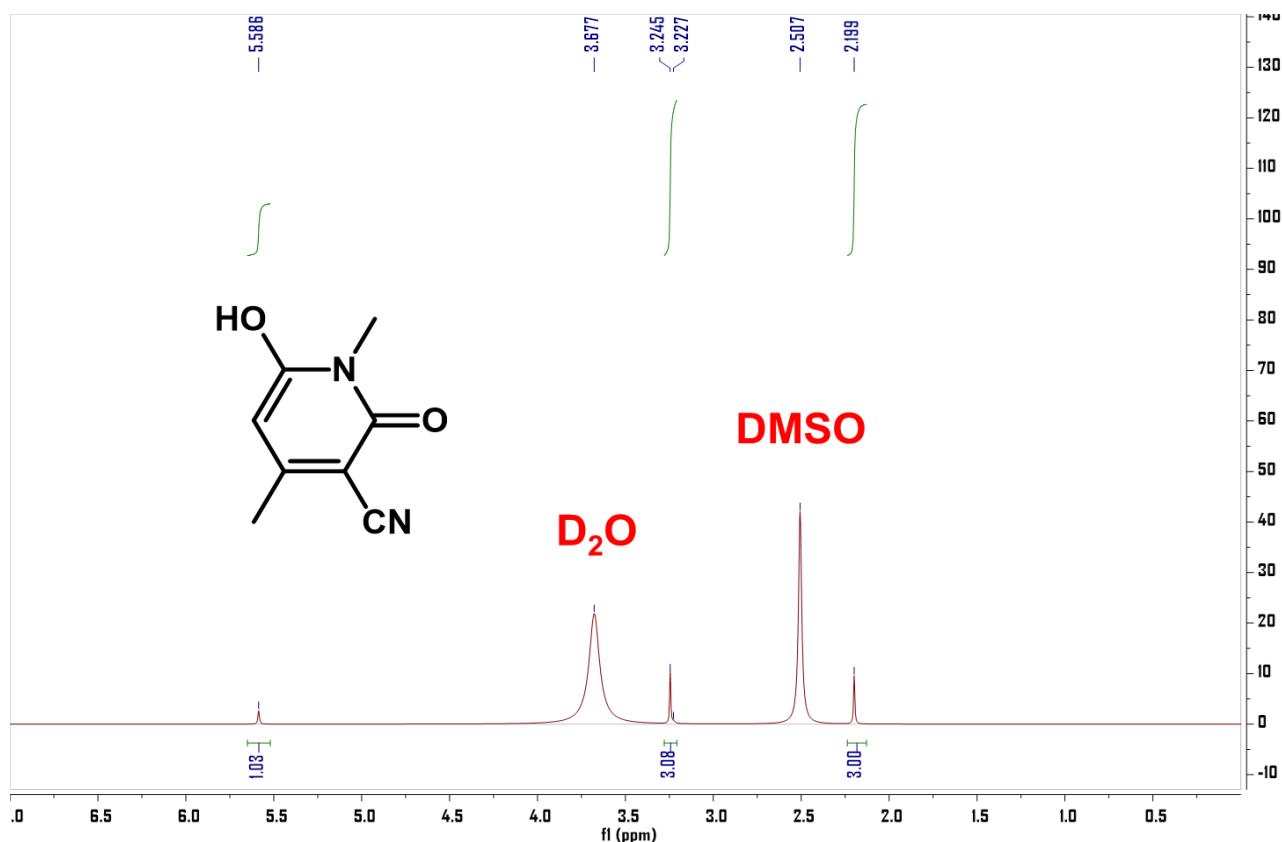


Figure S1. ¹H NMR spectra of 6-hydroxy-1,4-dimethyl-2-oxo-1,2-dihydropyridine-3-carbonitrile

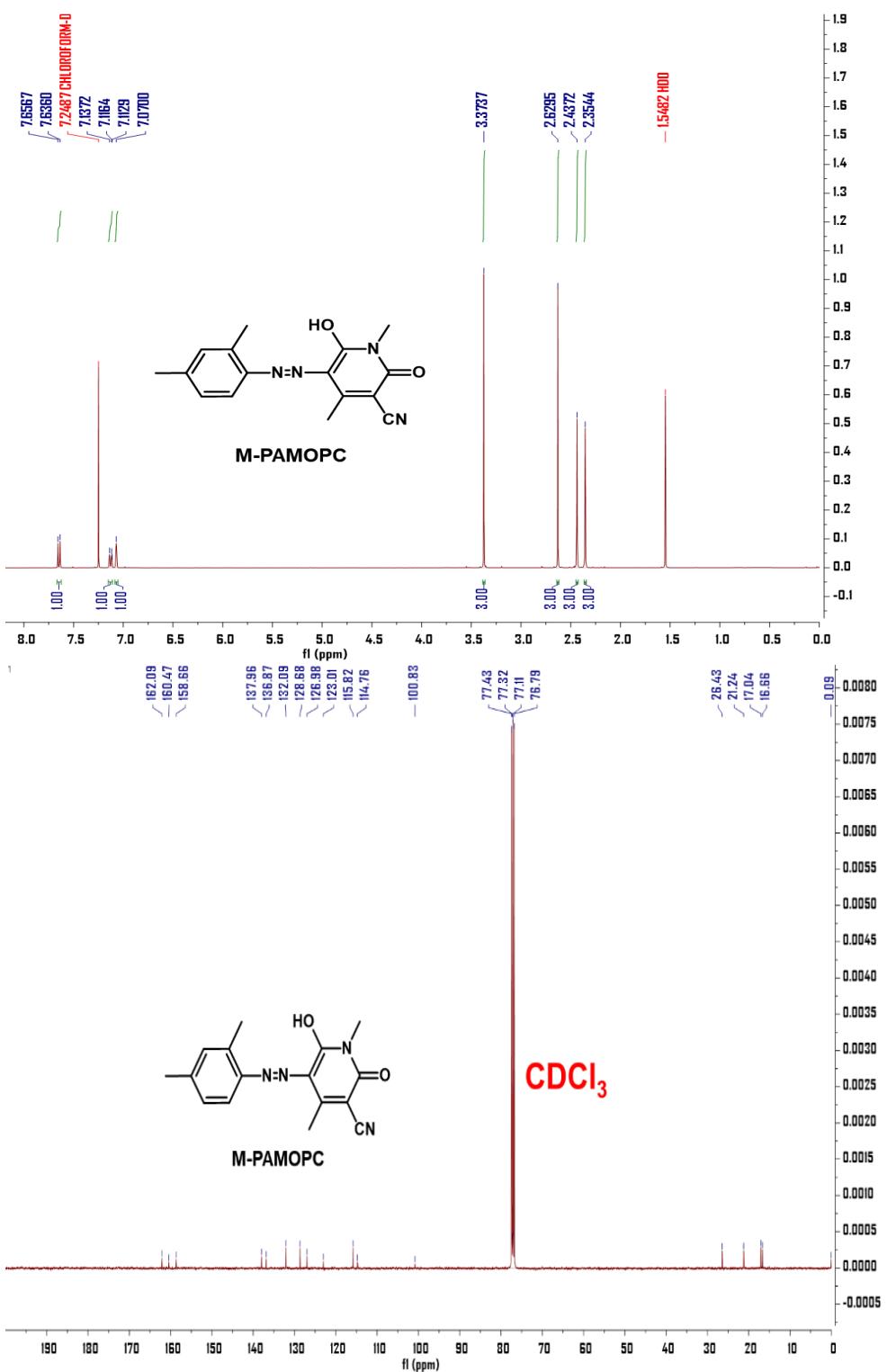


Figure S2. ¹H NMR(up) and ¹³C NMR (down) spectra of M-PAMOPC

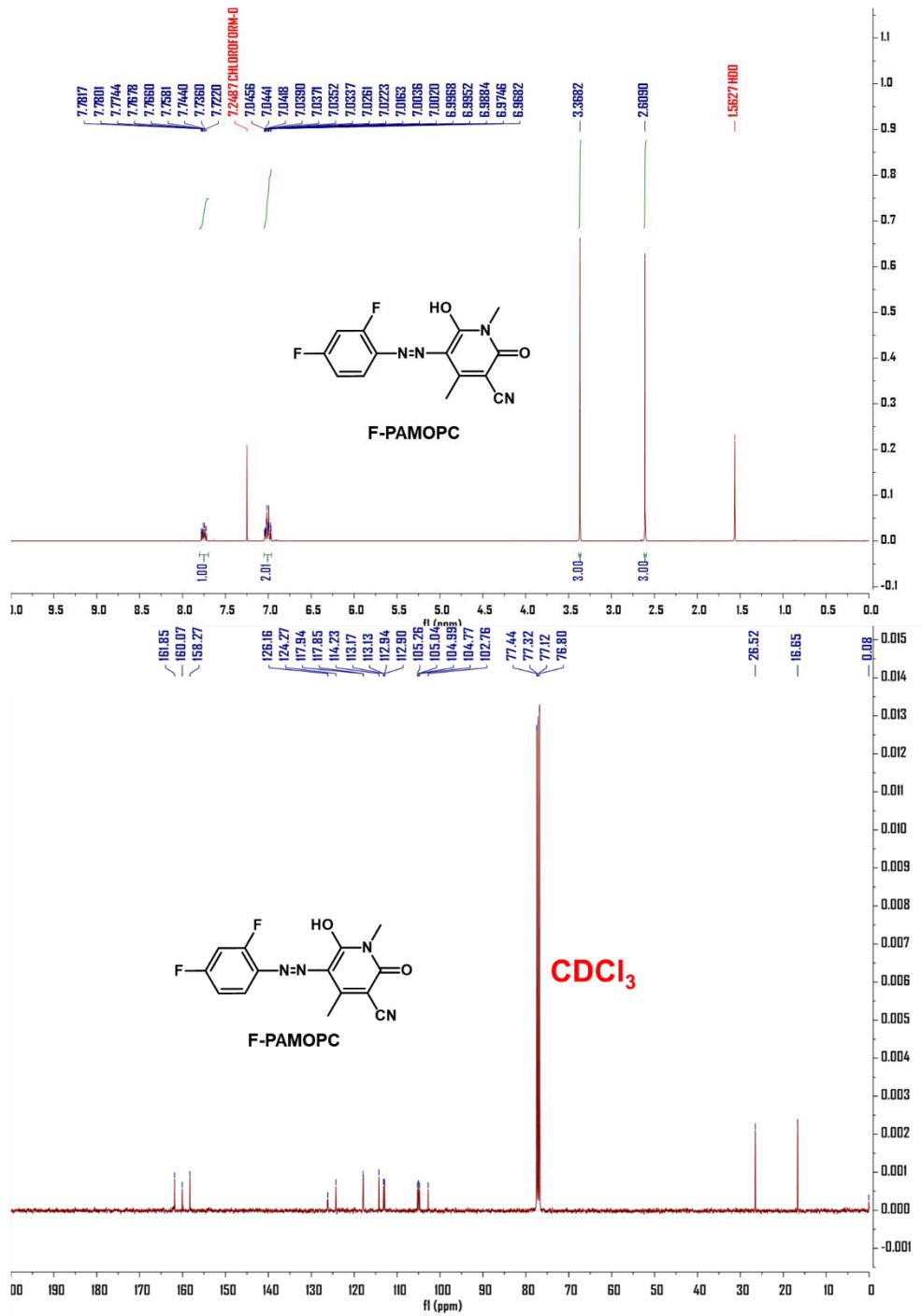


Figure S3. ^1H NMR(up) and ^{13}C NMR (down) spectra of F-PAMOPC

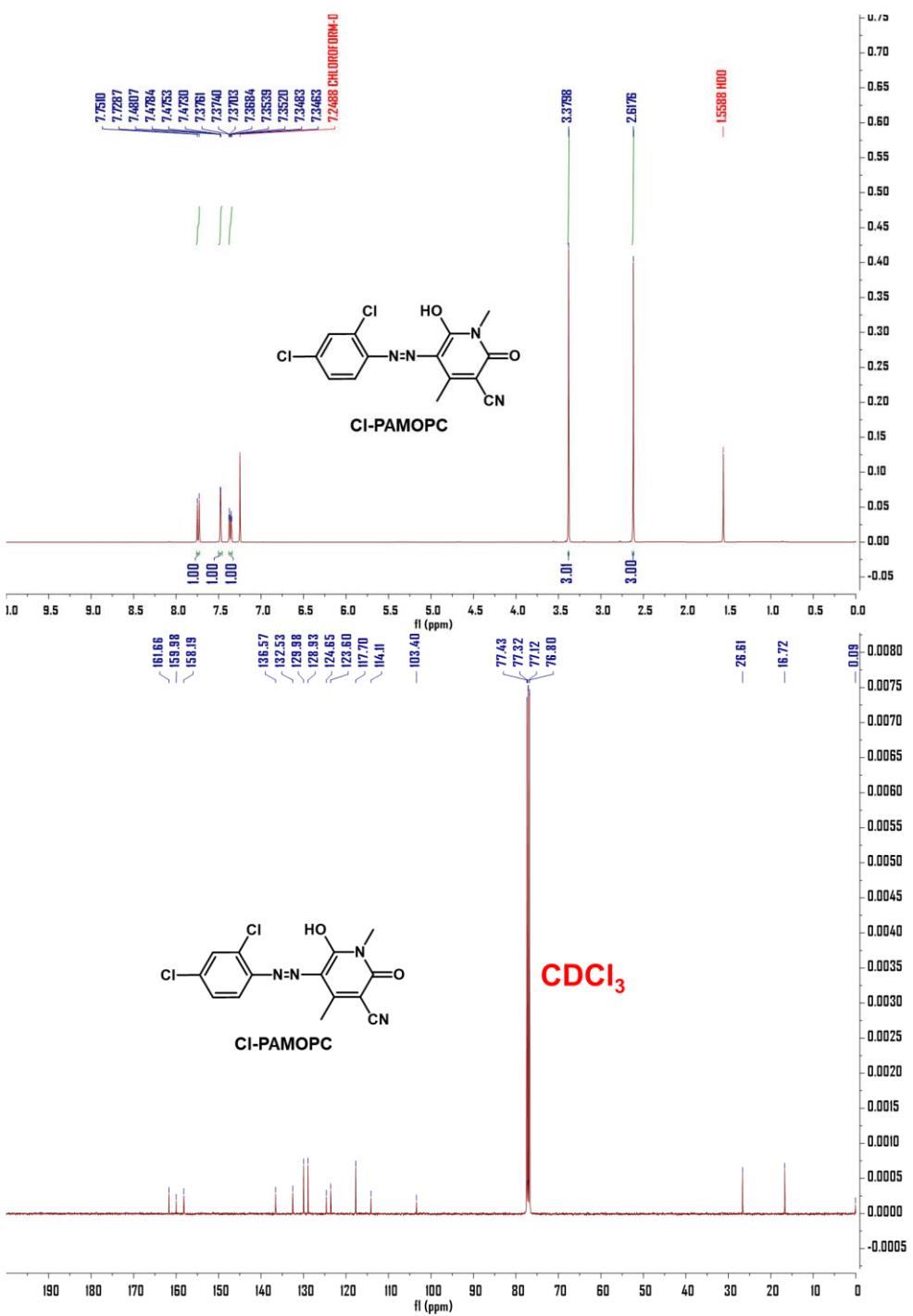


Figure S4. ¹H NMR(up) and ¹³C NMR (down) spectra of Cl-PAMOPC

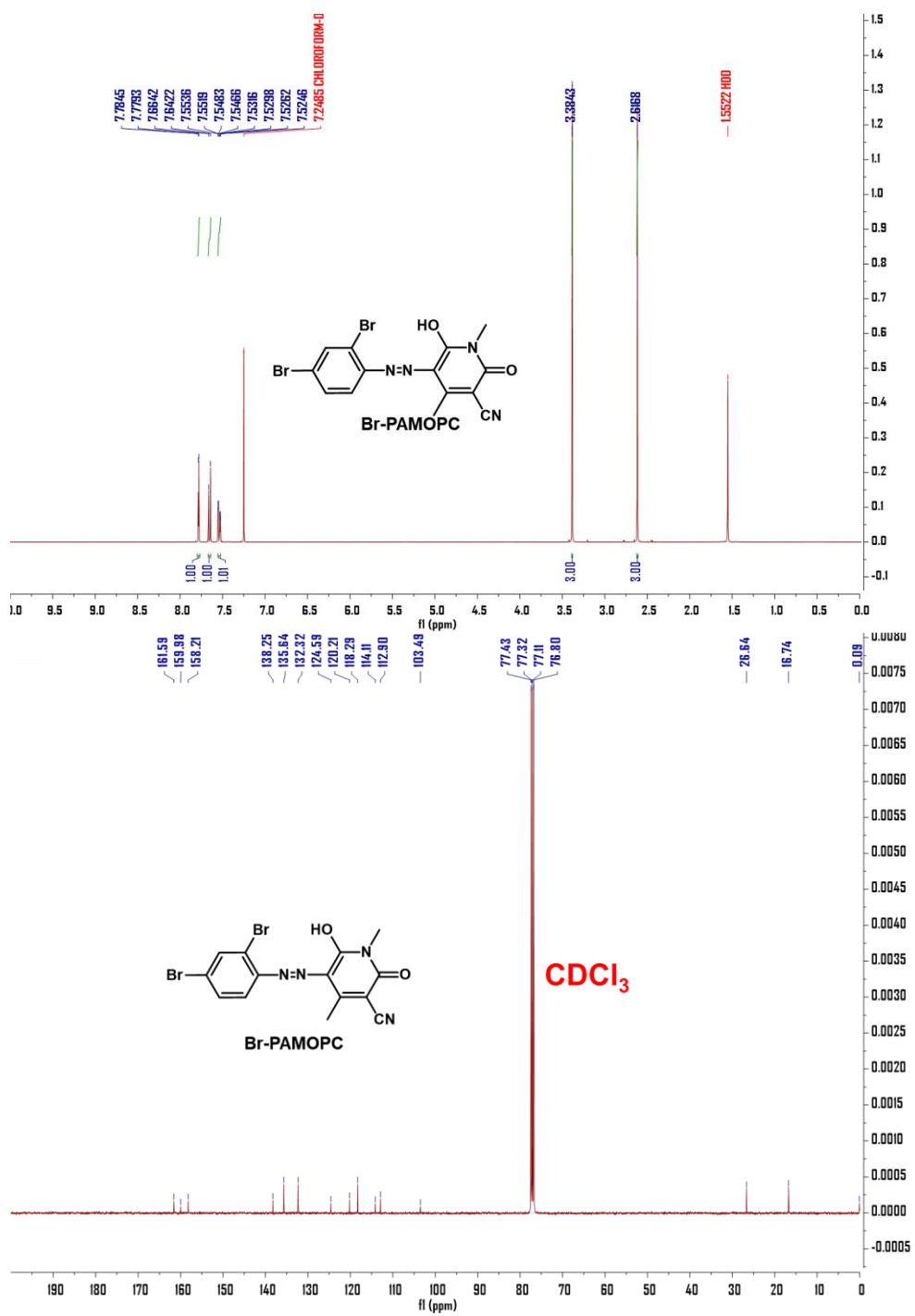


Figure S5. ¹H NMR(up) and ¹³C NMR (down) spectra of Br-PAMOPC

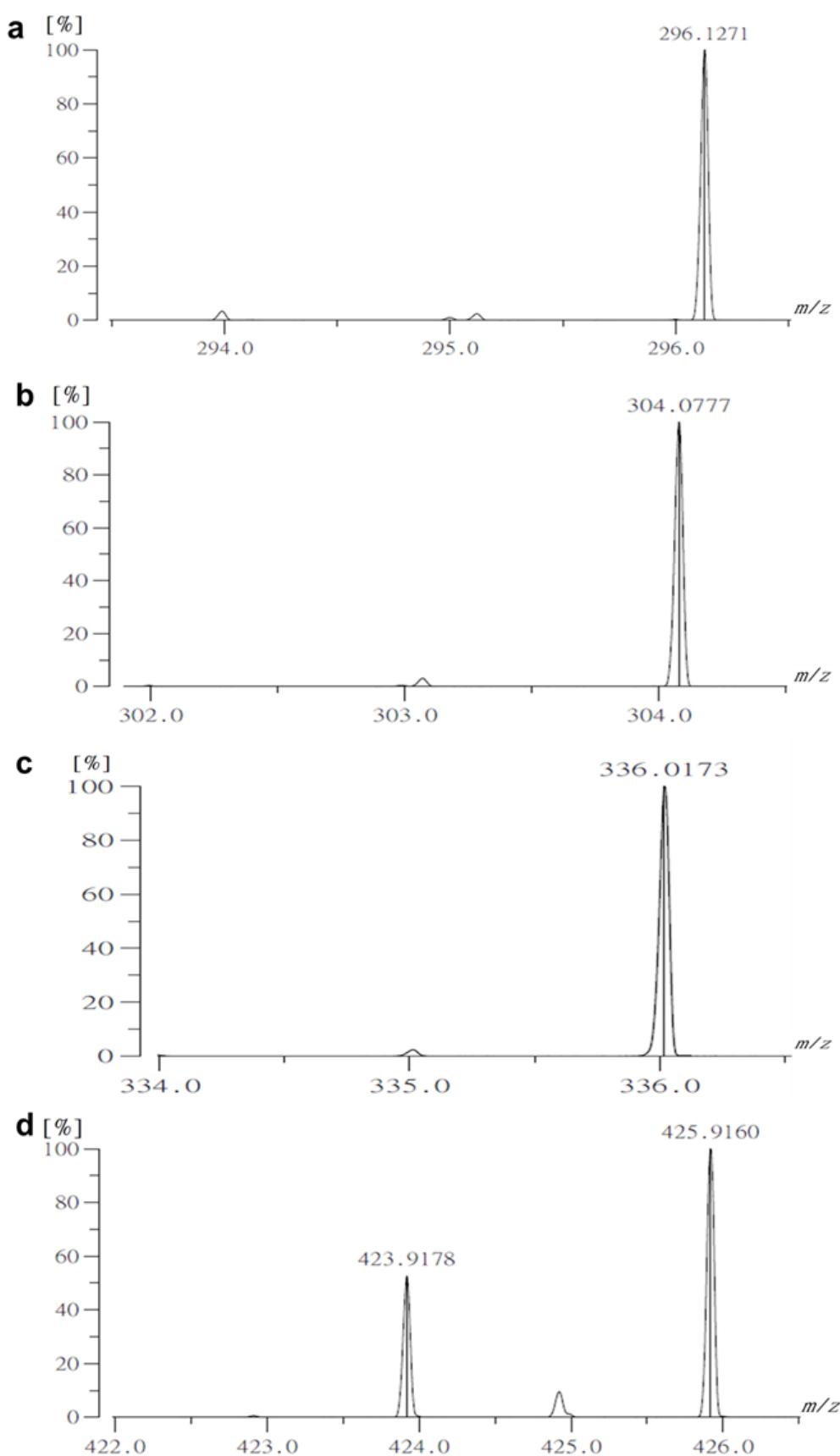


Figure. S6. high resolution mass spectroscopy (HR-MS) spectra of (a) M-PAMOPC, (b) F-PAMOPC, (c) Cl-PAMOPC, and (d) Br-PAMOPC

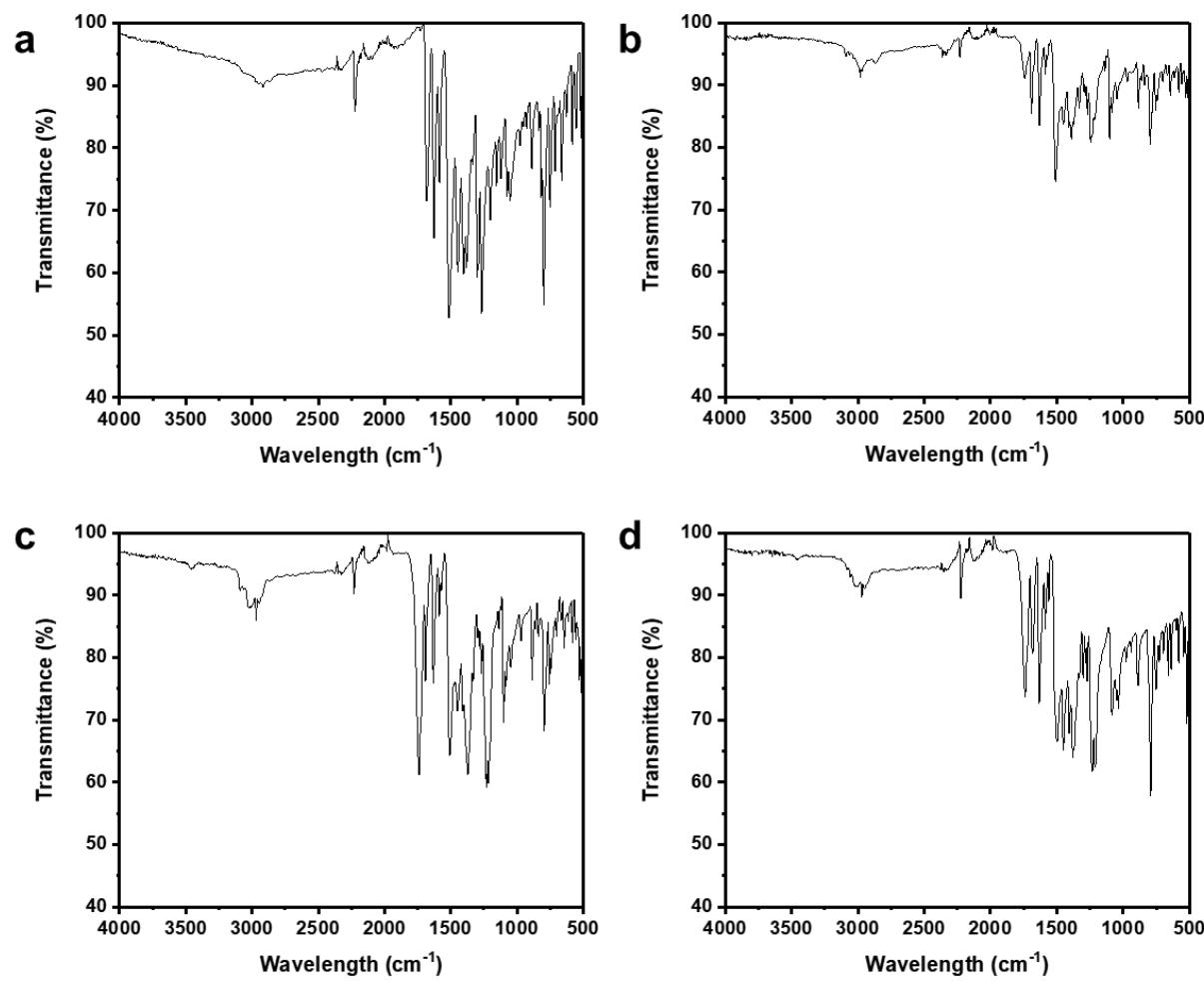


Figure S7. Fourier transform infrared spectroscopy (FTIR) spectra of (a) M-PAMOPC, (b) F-PAMOPC, (c) Cl-PAMOPC, and (d) Br-PAMOPC

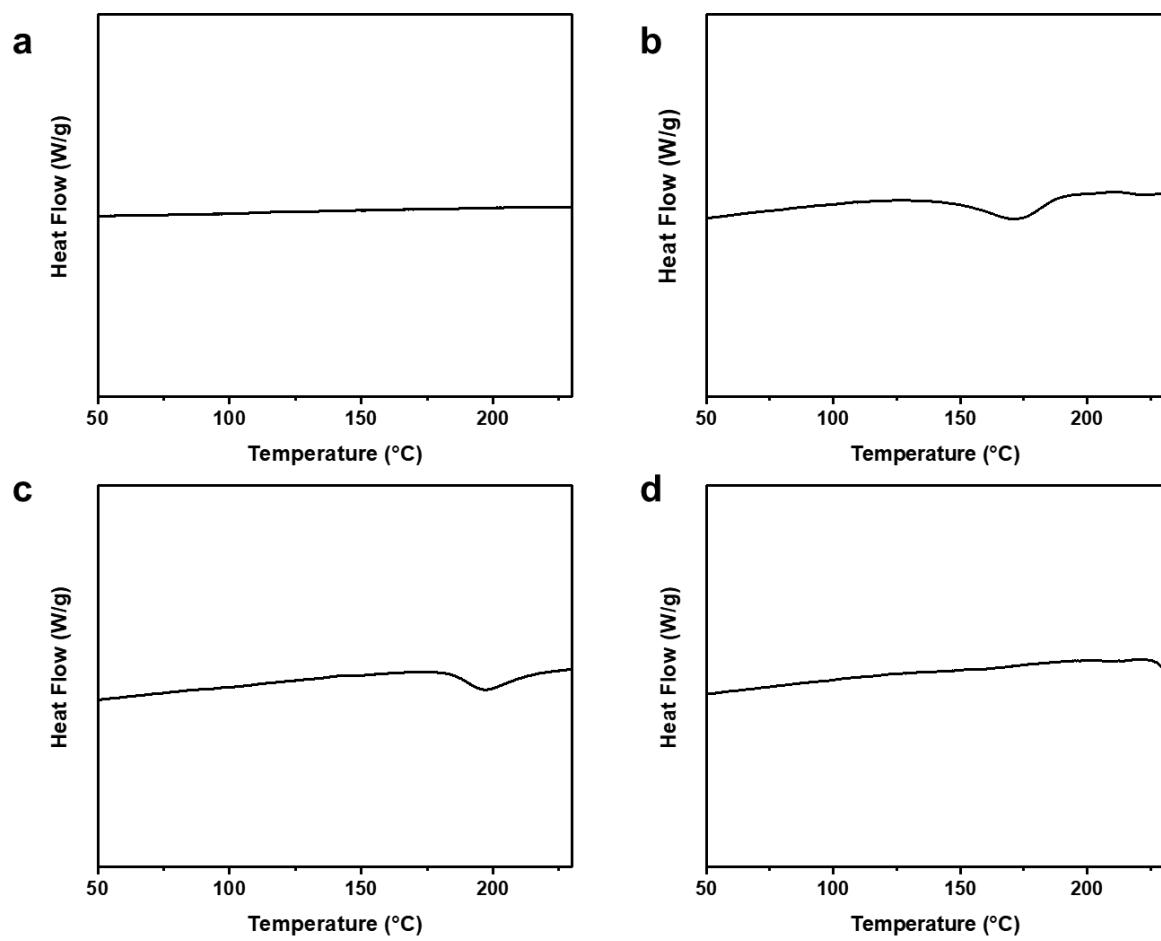


Figure S8. Differential scanning calorimetry (DSC) curves of (a) M-PAMOPC, (b) F-PAMOPC, (c) Cl-PAMOPC, and (d) Br-PAMOPC

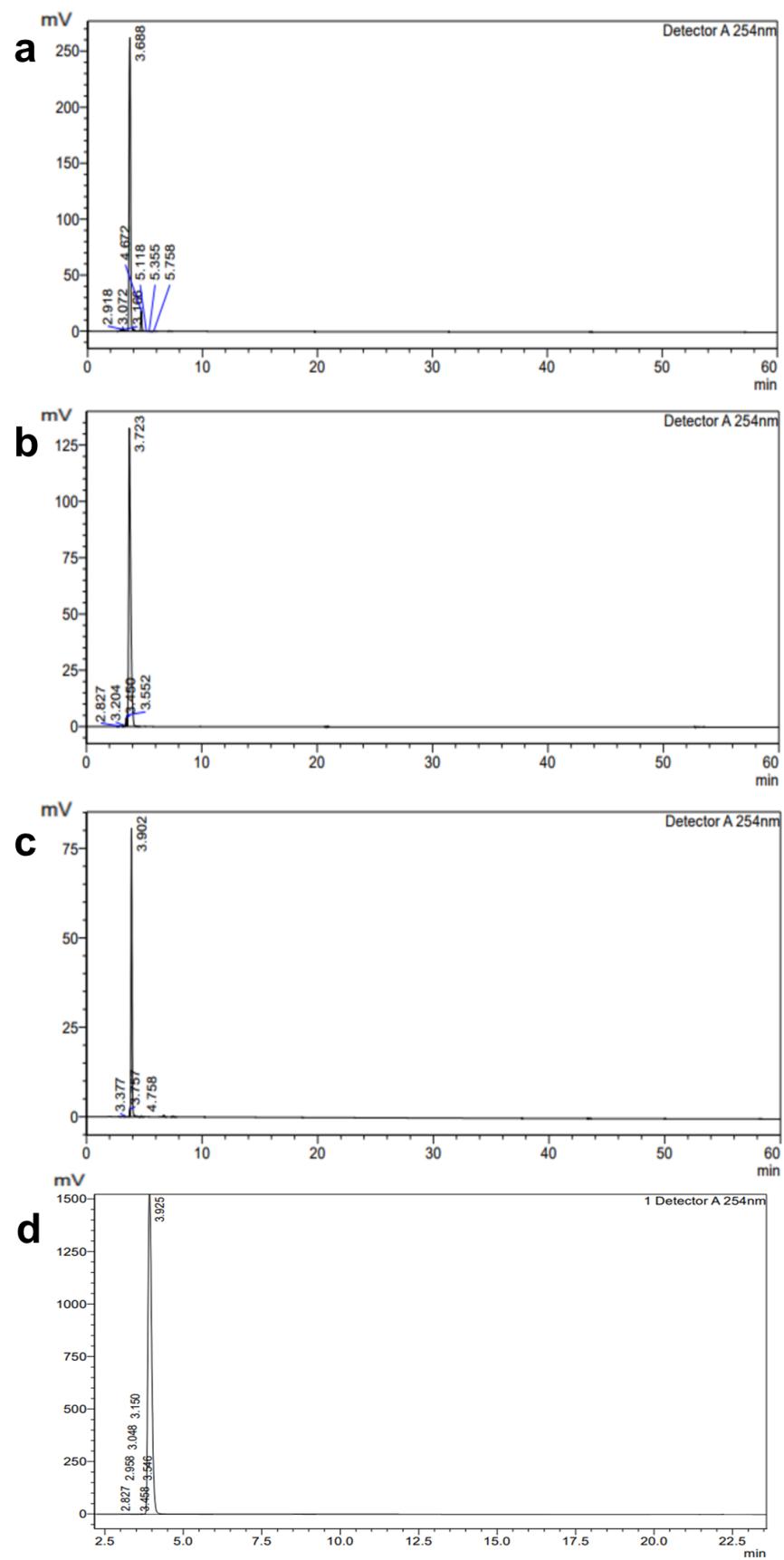


Figure S9. High performance liquid chromatography (HPLC) chromatograms of (a) M-PAMOPC, (b) F-PAMOPC, (c) Cl-PAMOPC, and (d) Br-PAMOPC