

Electronic Supporting Information for:

A red-emitting cationic hyperbranched polymer: Facile synthesis, aggregation-enhanced emission, large Stokes shift, polarity-insensitive fluorescence and application in cell imaging

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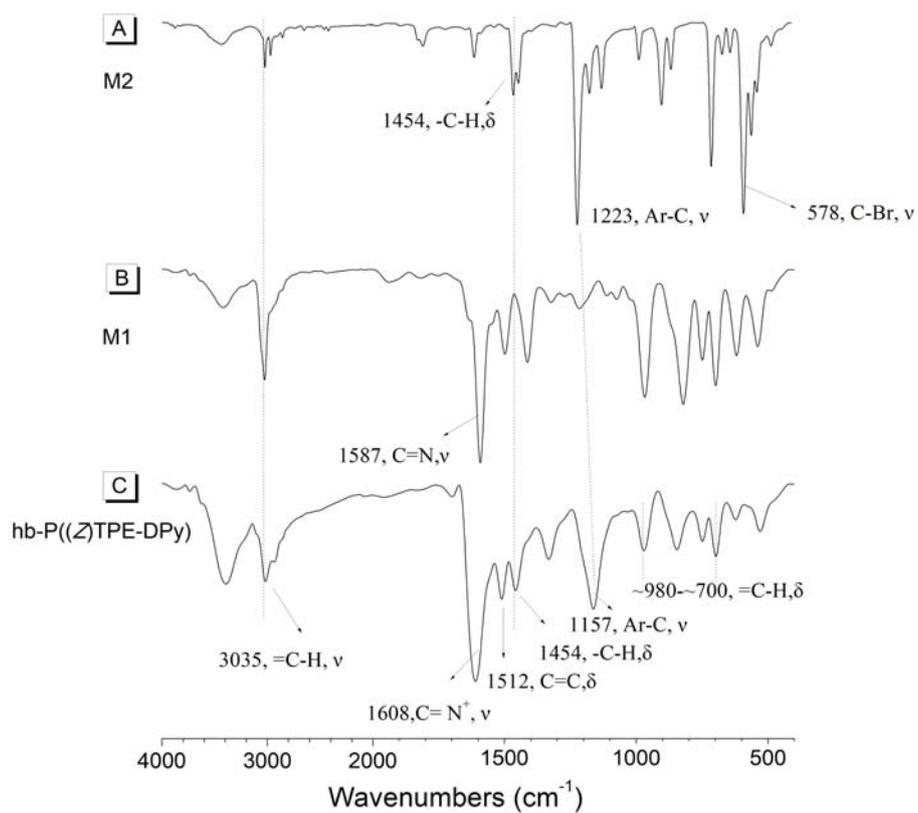


Figure S1. FTIR spectra of 1,3,5-tribromomethylbenzene (M2) (A), (Z)-TPE-DPy (M1) (B), and *hb-P*((Z)TPE-DPy) (C) measured in KBr pellets.

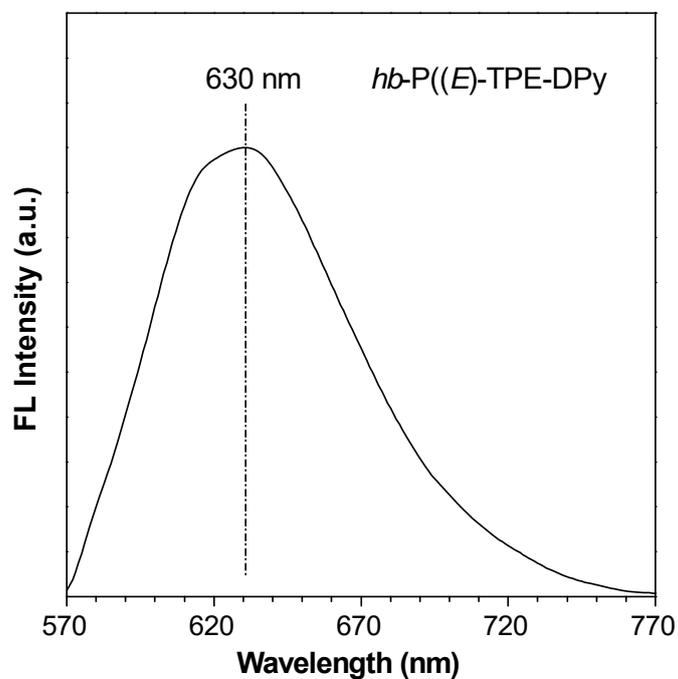


Figure S2. Fluorescence (FL) spectra of solid sample of *hb-P*((E)TPE-DPy), excitation wavelength: 550 nm.

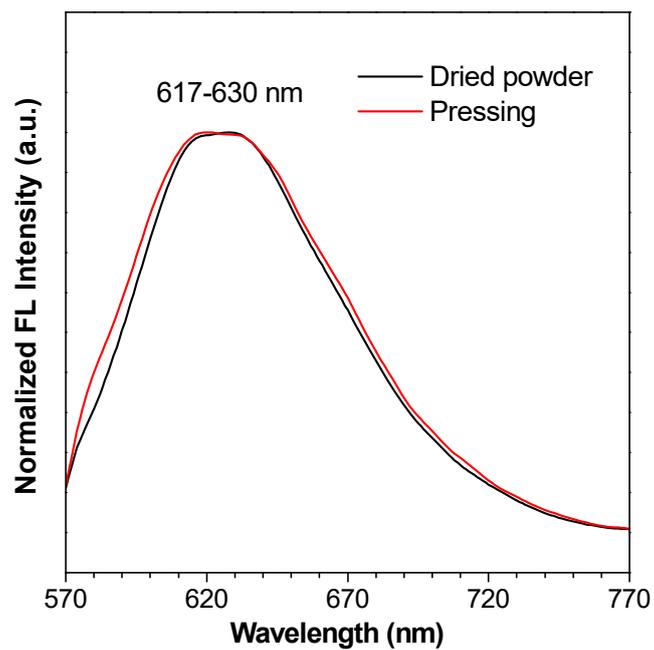


Figure S3. Fluorescence (FL) spectra of solid sample of *hb*-P((*Z*)TPE-DPy) before and after pressing treatment, excitation wavelength: 550 nm.

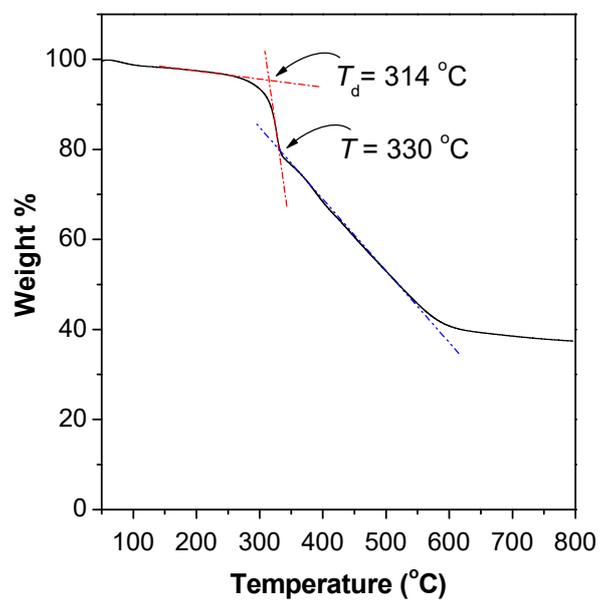


Figure S4. Thermogravimetric analysis of *hb*-P((*Z*)TPE-DPy) under N₂ environment (Heating rate: 10 °C/min).