

Supporting Information

Irgacure 2959-functionalized poly(ethyleneimine)s as improved photoinitiators: Enhanced water solubility, migration stability and visible-light operation

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Measurements and Characterizations. ^{13}C - NMR spectrum was recorded in deuterated water (D_2O) at ambient temperature on a Varian Gemini (400 MHz) spectrometer. Differential scanning calorimetric (DSC) measurements were performed on a TA Instruments Q250 with a heating rate of $10\text{ }^\circ\text{C}/\text{min}$.

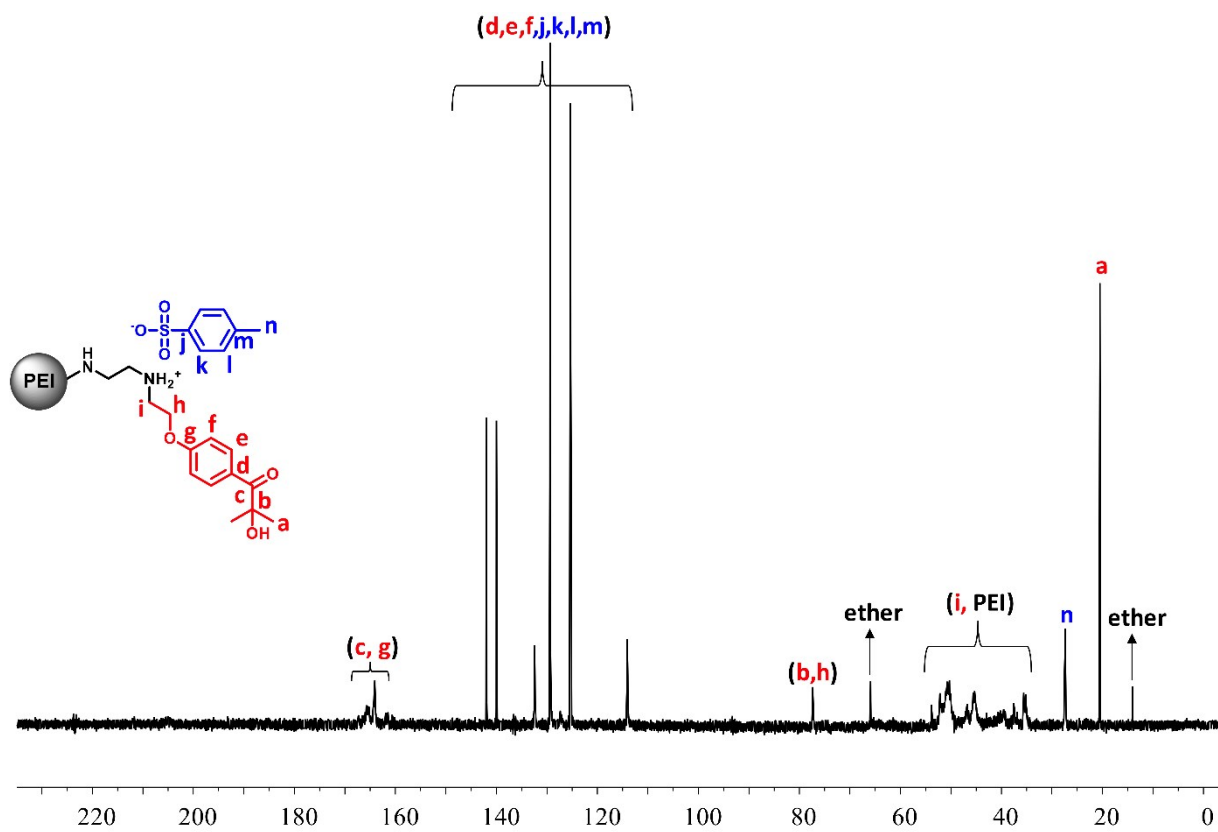


Figure S1. ^{13}C -NMR spectrum of PEI-I2959-Ts.

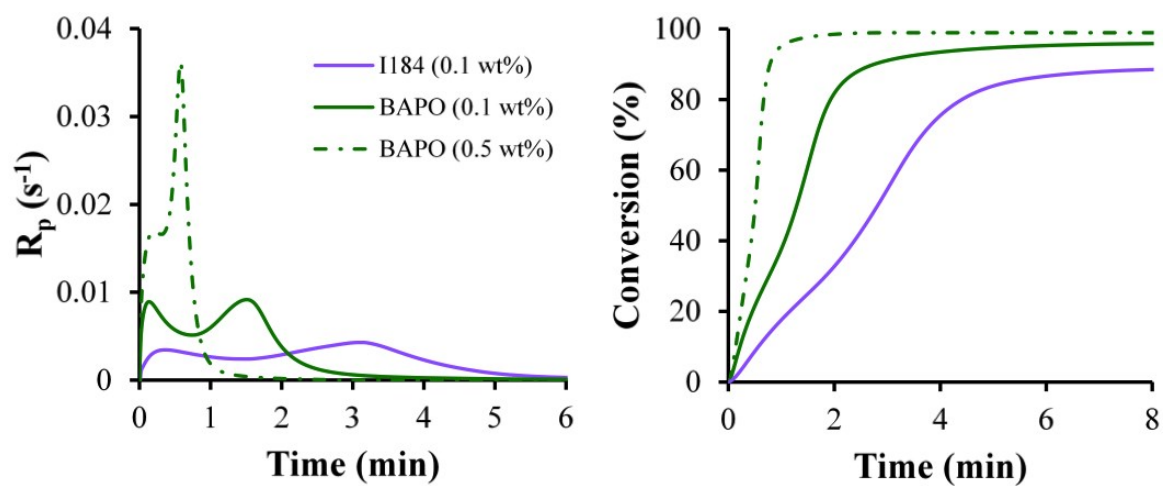


Figure S2. R_p vs time and Conversion (%) vs time plots of BAPO (0.1 wt%) and BAPO (0.5 wt%) under visible light irradiation, I184 (0.1 wt%) under UV light irradiation.