Polymer Chemistry   **Supporting Information**

Nanoporous Polystyrene-Porphyrin Nanoparticles for Selective Gas Separation

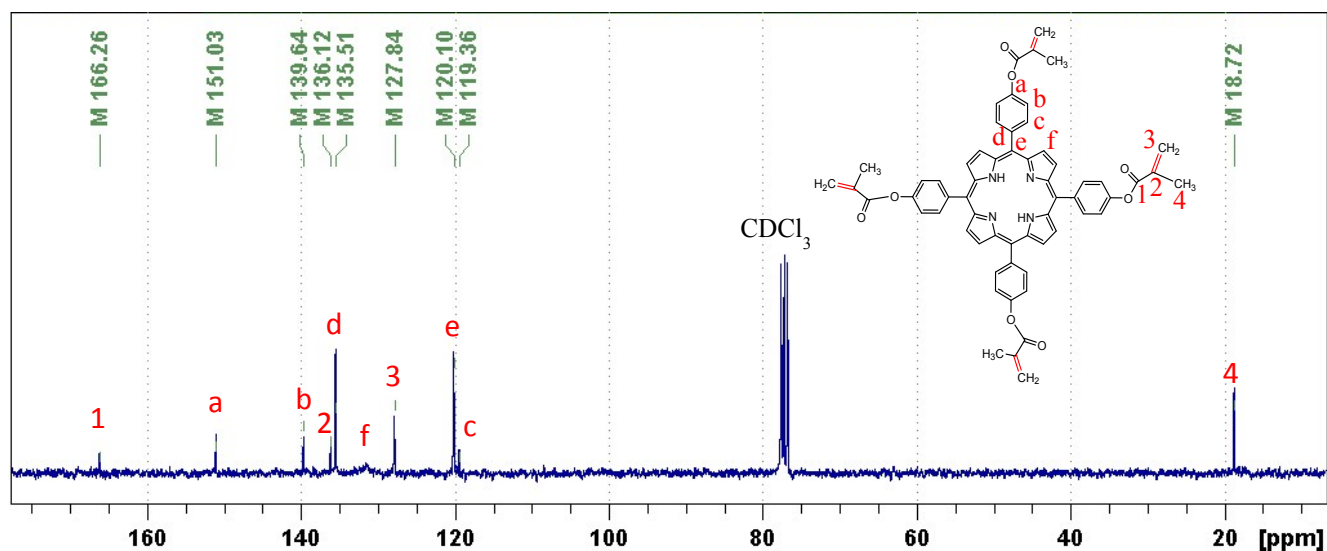Ch. Flouraki, M. Kaliva, I. T. Papadas, G. S. Armatas and M.Vamvakaki

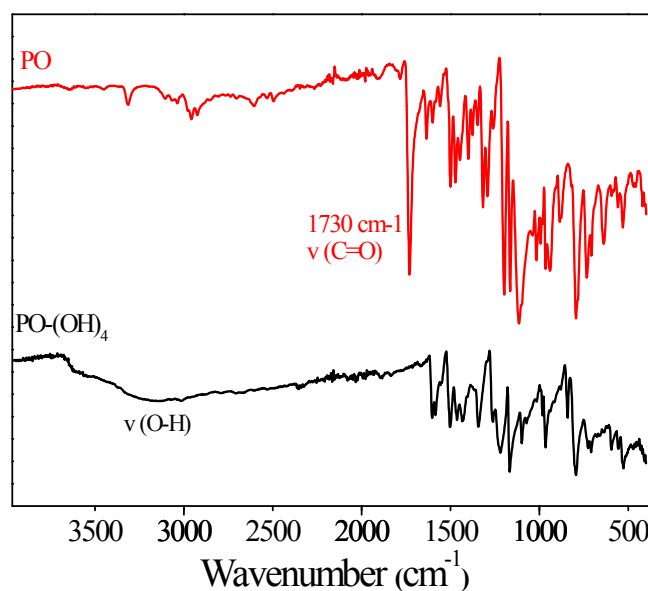**Figure S1.** ^{13}C-NMR of tetra-methacrylate porphyrin cross-linker in CDCl$_3$

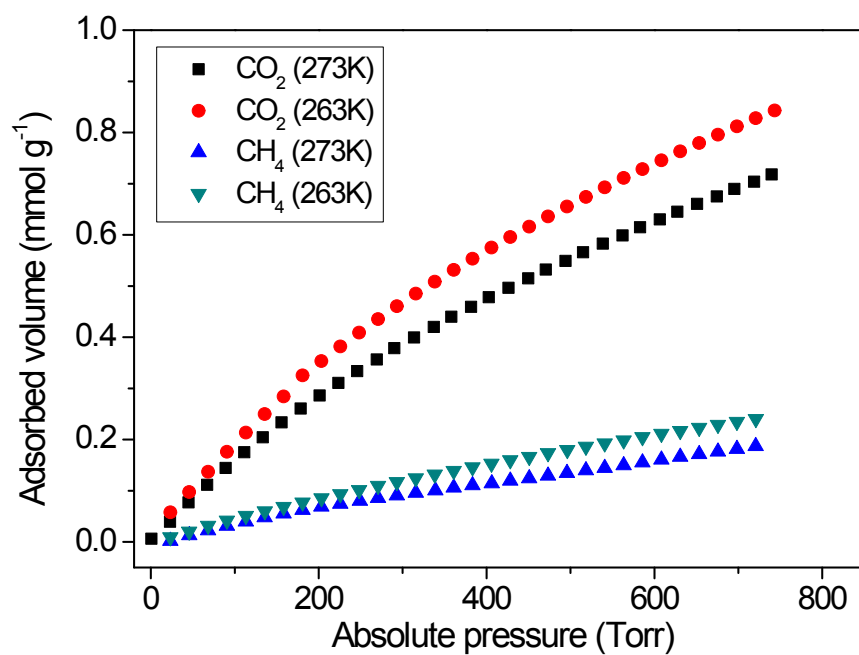**Figure S2.** ATR-FTIR spectrum of PO-(OH)$_4$ (black line) and PO (red line).

Figure S3. Adsorption isotherms for CO_2 at 263 K (●) and 273 K (■) and CH_4 at 263 K (▼) and 273 K (▲) for PO-St-DVB(2).