

Supplementary Information for
Tröger's Base-based Copolymers with Intrinsic Microporosity for
CO₂ Separation and Effect of Tröger's Base on Separation
Performance

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1. NMR and mass spectroscopy of monomer (THTB)

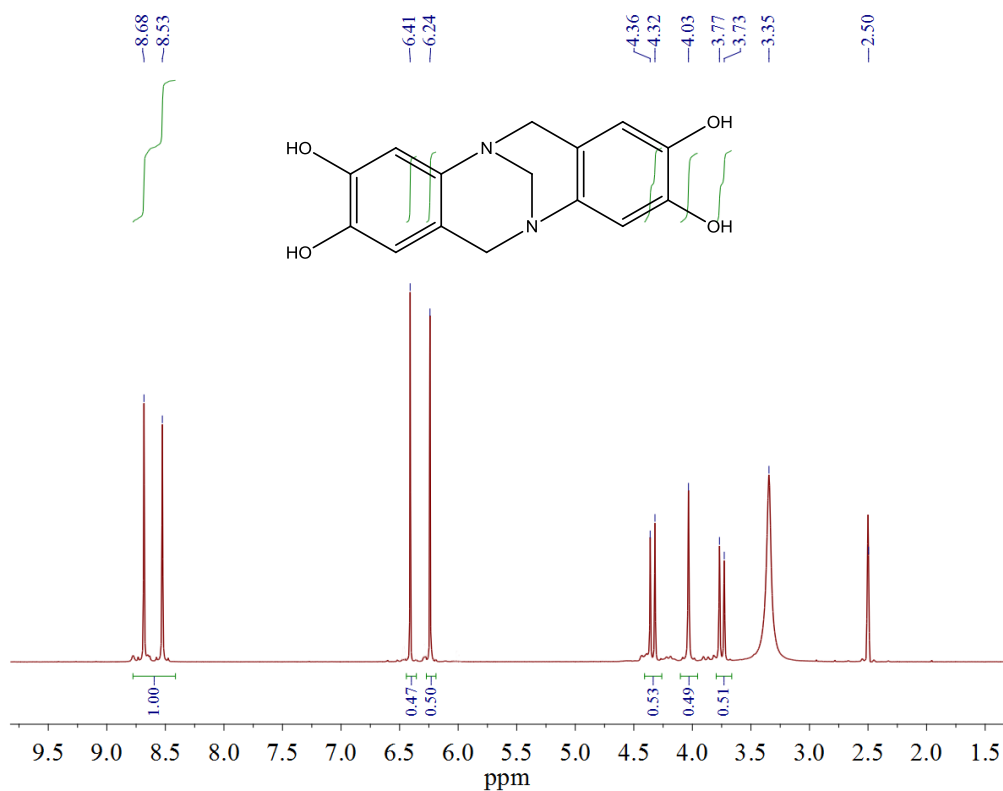


Figure S1. ¹H NMR of monomer THTB

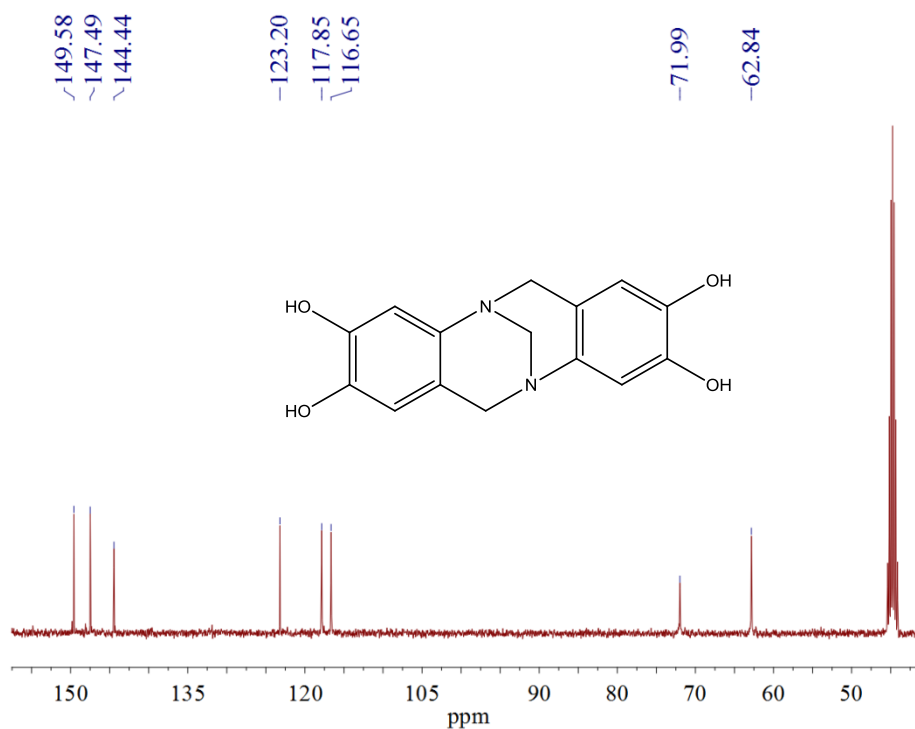


Figure S2. ¹³C NMR of monomer THTB

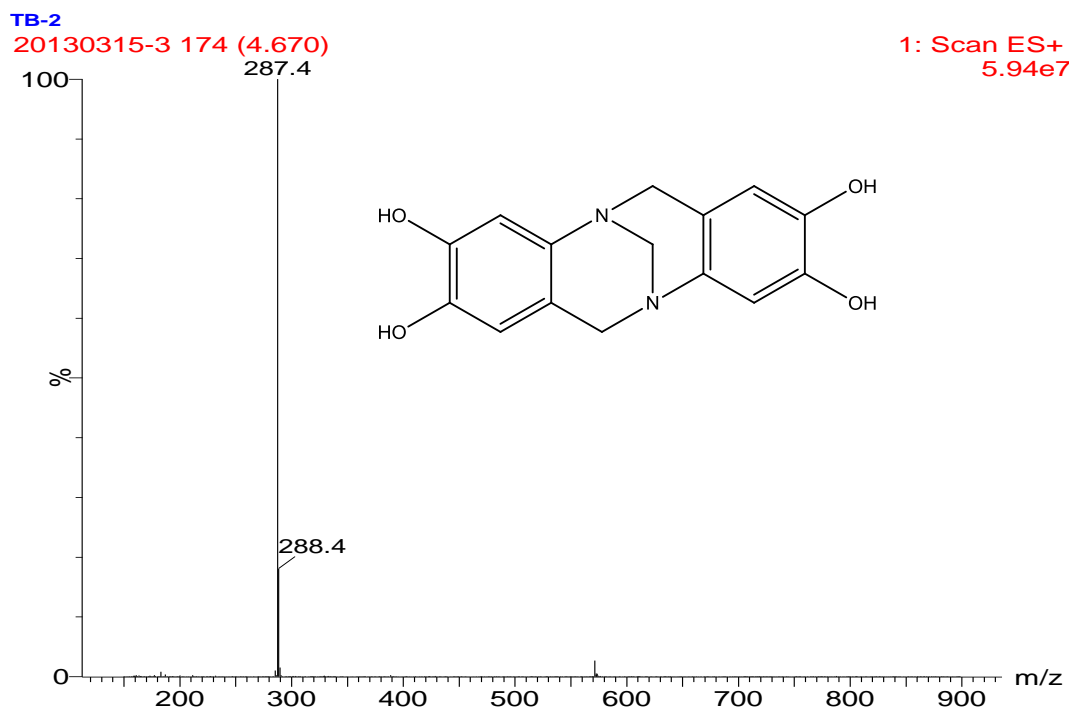


Figure S3. Mass spectroscopy of monomer THTB.

2. GPC result of PIM-1 and copolymers

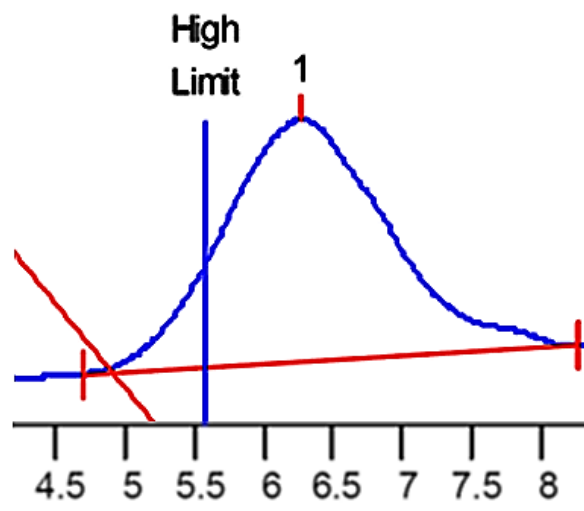


Figure S4. GPC result of PIM-1 (THF as eluent)

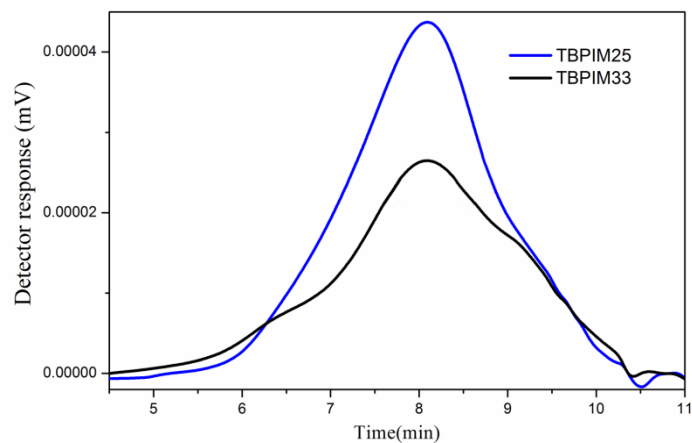


Figure S5. GPC result of TBPIM25 and TBPIM33 (CHCl_3 as eluent)

3. Upper bound relationship of gas pair O_2/N_2

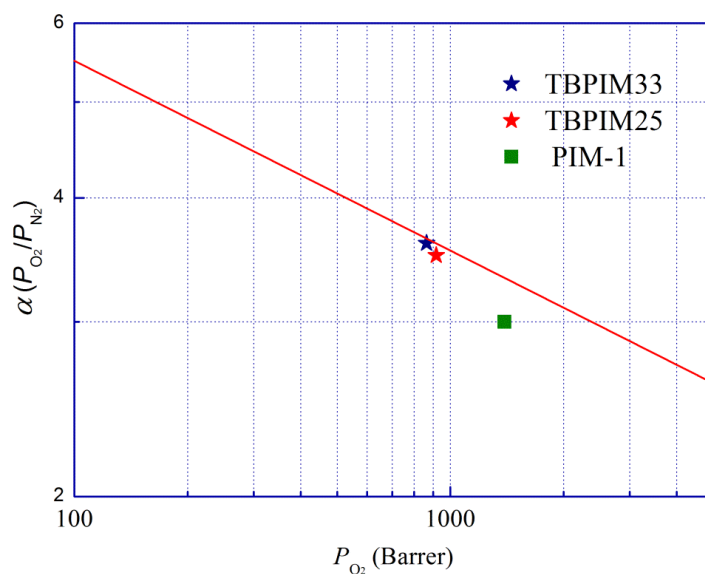


Figure S6. Robeson upper bound comparison of gas pair O_2/N_2 (2008) of PIM-1, TBPIM25 and TBPIM33.