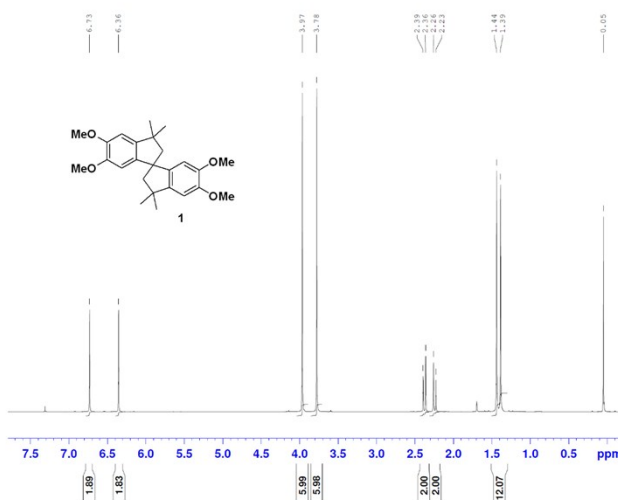


## Supplementary Information

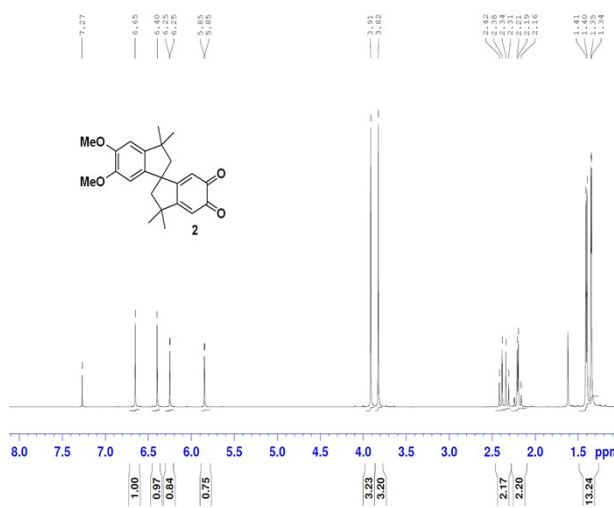
### New phenazine-containing ladder polymer of intrinsic microporosity from spirobisindane-based AB-type monomer

Bader Ghanem, Fahd Alghunaimi, Nasser Alaslai, Xiaohua Ma and Ingo Pinnau\*

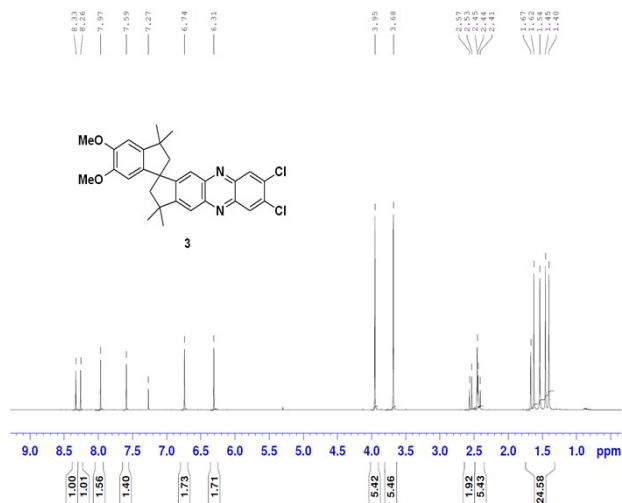
#### NMR of Intermediate Compounds



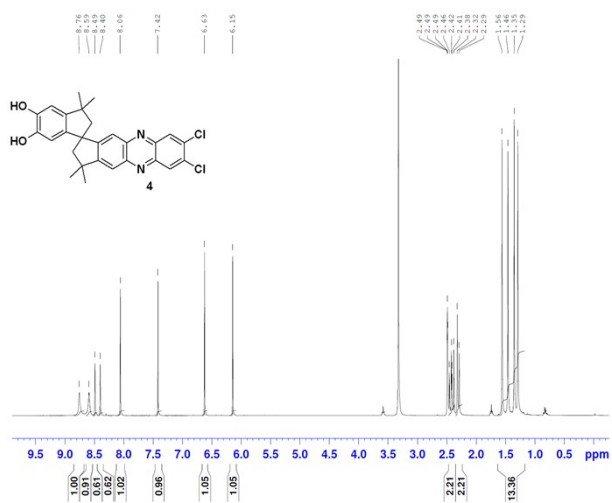
**Fig. S1.** <sup>1</sup>H NMR spectrum of 5,5',6,6'-tetramethoxy-3,3,3',3'-tetramethyl-1,1'-spirobisindane (Intermediate 1).



**Fig. S2.** <sup>1</sup>H NMR spectrum of *o*-quinone (Intermediate 2).



**Fig. S3.** <sup>1</sup>H NMR spectrum of intermediate 3.



**Fig. S4.** <sup>1</sup>H NMR spectrum of intermediate 4 (AB monomer).