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**Supporting Information** 

## Efficient HPLC enantiomer separation using a pillared homochiral metal-organic framework as a novel chiral stationary phase

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Fig. S1 IR spectrum of MOF-4



Fig. S2 TG trace of MOF-4



Fig. S3 CD spectra of MOF-4



Fig. S4 IR spectra of MOF-5







Fig. S6 CD spectra of MOF-5



Table S1 Chromatographic data for the resolution of sulfoxides (Eluent: Hexane/2-PrOH = 90/10).



Table S2 Chromatographic data for the resolution of sulfoxides on MOF-5 (Eluent: Hexane/EtOH = 50/50).







Table S3 Chromatographic data for the resolution of *sec*-alcohols (Eluent: Hexane/2-PrOH = 99/1).







