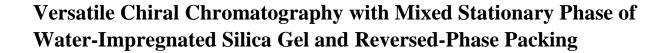
Electronic Supplementary Information



Satsuki Takahashi and Tetsuo Okada *

Department of Chemistry, Tokyo Institute of Technology, Meguro-ku, Tokyo 152-8551, Japan.

Email: tokada@chem.titech.ac.jp

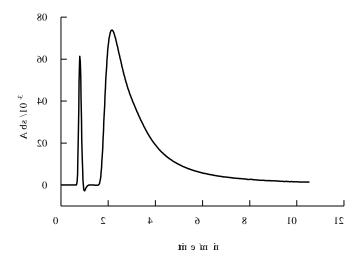


Figure S1 Chromatogram of 1,1'-bis-2-naphthol obtained with silica gel impregnated with an aqueous solution as a stationary phase

Stationary phase, Daisogel SP1000 impregnated with 1 mM β CD + 75 mM KCl. Mobile phase, 1%THF/hexane. Temperature, - 9 °C.

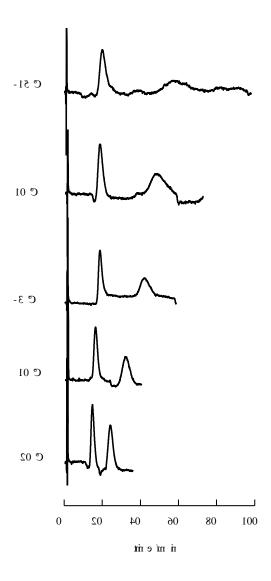


Figure S2 Temperature dependence of chiral separation of hexobarbital. Column, 4.6 mm i.d. \times 75 mm. Stationary phase, 1 mM β CD + 75 mM KCl impregnated 33 % silica gel/ODS. Mobile phase, 3 % THF in hexane.

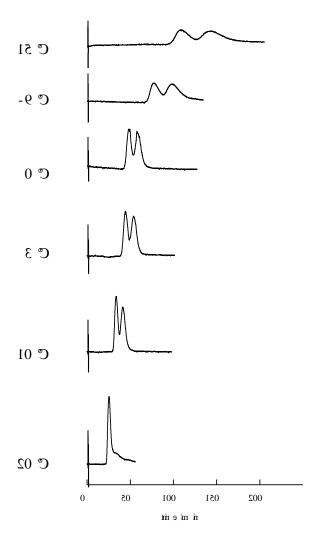


Figure S3 Temperature dependence of chiral separation of bisnaphthol. Column, 4.6 mm i.d. \times 75 mm. Stationary phase, 1 mM β CD + 75 mM KCl impregnated 33 % silica gel/ODS. Mobile phase, 1 % THF in hexane.

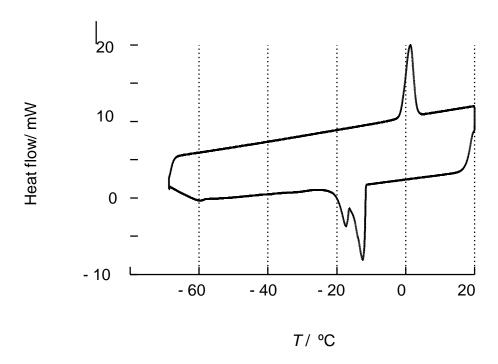
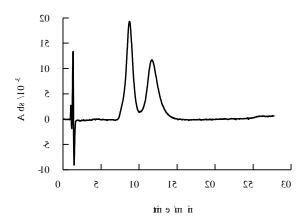


Figure S4 DSC of water in the pores of Daiso SP-1000-100.



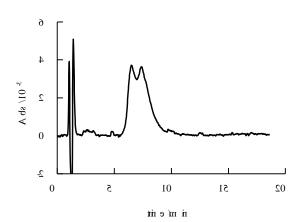


Figure S5 Chiral separation of 2'-hydroxyflavanone (left) and ibuprofen (right)

Column, Wakosil 10SIL / Wakosil 10C18 = 1:2 (w/w). Aqueous 10 mM β CD solution was impregnated in the pores.

Mobile phase, 3% (v/v) THF in hexane. Temperature: 20 °C.

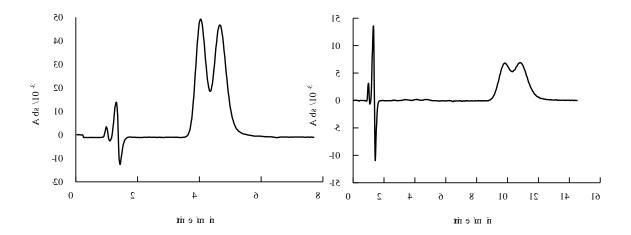


Figure S6 Chiral separation of 2'-hydroxyflavanone (left) and 3'-hydroxyflavanone (right) Column, Wakosil 10SIL / Wakosil 10C18 = 1:2 (w/w). Aqueous 10 mM 2-hydroxypropyl- β – CD solution was impregnated in the pores.

Mobile phase, 3% (v/v) THF in hexane. Temperature: 20 °C.