ELECTRONIC SUPPLEMENTARY INFORMATION

Solid-state visible molecular recognition system of bisphenol A and its derivatives by solid co-grinding crystallization with benzoquinone

Noriaki Iwase, a Yuhei Kobayashi, a Takafumi Kinuta, a Tomohiro Sato, a Nobuo Tajima, b Reiko Kuroda, c Yoshio Matsubara a and Yoshitane Imai a *

a Department of Applied Chemistry, Faculty of Science and Engineering, Kinki University, 3-4-1 Kowakae, Higashi-Osaka, Osaka 577-8502, Japan.

b Computational Materials Science Center, National Institute for Materials Science 1-2-1 Sengen, Tsukuba, Ibaraki 305-0047, Japan.

c Department of Life Sciences, Graduate School of Arts and Sciences, The University of Tokyo, 3-8-1 Komaba, Meguro-ku, Tokyo 153-8902, Japan.

*Corresponding author. (Y.I.) Tel.: +81 06 6730 5880x5241; fax: +81 06 6727 2024; e-mail: y-imai@apch.kindai.ac.jp.
Fig. ESI-1 (a) X-ray powder diffraction (XRPD) pattern of complex 3/BQ obtained from solid co-grinding crystallization and (b) XRPD pattern of complex 3/BQ from crystal structure data.

Fig. ESI-2 (a) X-ray powder diffraction (XRPD) pattern of complex 2/2,5Me-BQ obtained from solid co-grinding crystallization and (b) XRPD pattern of complex 2/2,5Me-BQ from crystal structure data.
**Fig. ESI-3** (a) X-ray powder diffraction (XRPD) pattern of complex 3/2,5Me-BQ obtained from solid co-grinding crystallization and (b) XRPD pattern of complex 3/2,5Me-BQ from crystal structure data.

**Fig. ESI-4** (a) X-ray powder diffraction (XRPD) pattern of complex 2/2Cl-5Me-BQ obtained from solid co-grinding crystallization and (b) XRPD pattern of complex 2/2Cl-5Me-BQ from crystal structure data.