

Electronic supplementary information (ESI)

Novel Photo-induced Deracemization of $[\text{Co}(\text{acac})_3]$ ($\text{acac}^- = \text{acetylacetone}$) with a Chiral Ruthenium(II) Complex, $\Delta\text{-}[\text{Ru}(\text{menbpy})_3]^{2+}$ ($\text{menbpy} = 4,4'\text{-bis}\{(1R,2S,5R)\text{-(-)-menthoxy carbonyl}\}\text{-}2,2'\text{-bipyridine}$). Reaction Mechanism and Significant Effects of Solvent and Anion.

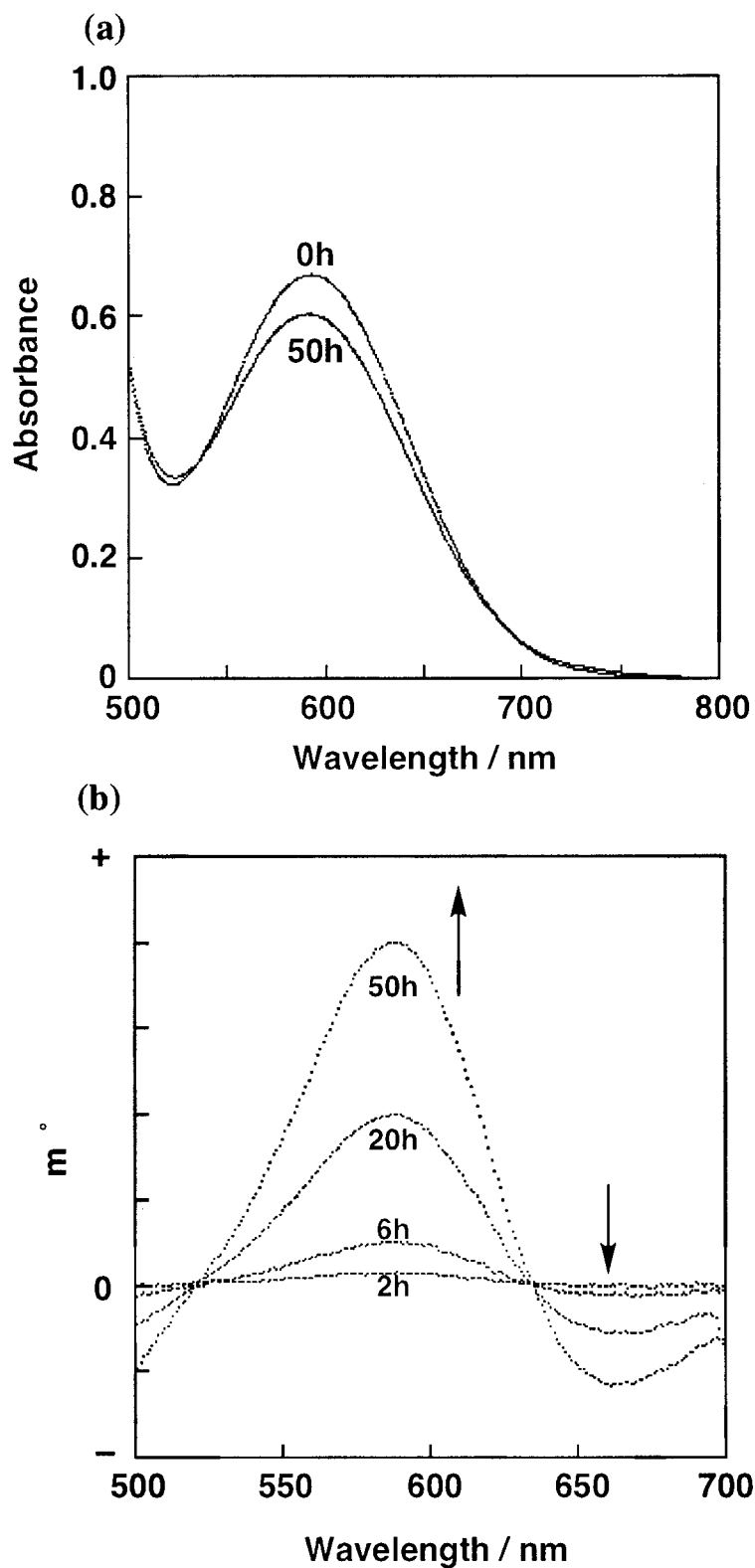


Figure. Absorption and CD spectral changes of the reaction solution. $\Delta\text{-}[\text{Ru}(\text{menbpy})_3]^{2+} = 32 \mu\text{mol dm}^{-3}$, $[\text{Co}(\text{acac})_3] = 5 \text{ mmol dm}^{-3}$, $[\text{TEA}] = 0.5 \text{ mmol dm}^{-3}$ in acetonitrile- H_2O (7:3 v/v) at 25 °C.