

Electronic Supplementary Information (ESI) for *PCCP*

Mixed-diphosphine-protected chiral undecagold clusters
 $\text{Au}_{11}(\text{S,S-DIOP})_4(\text{rac-/R-/S-BINAP})$: Effect of the handedness of BINAP
on their chiroptical responses

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Simple averages of absorption and CD spectra of isomers $1_{\text{S}}\text{--}5_{\text{S}}$ or $1_{\text{R}}\text{--}5_{\text{R}}$.

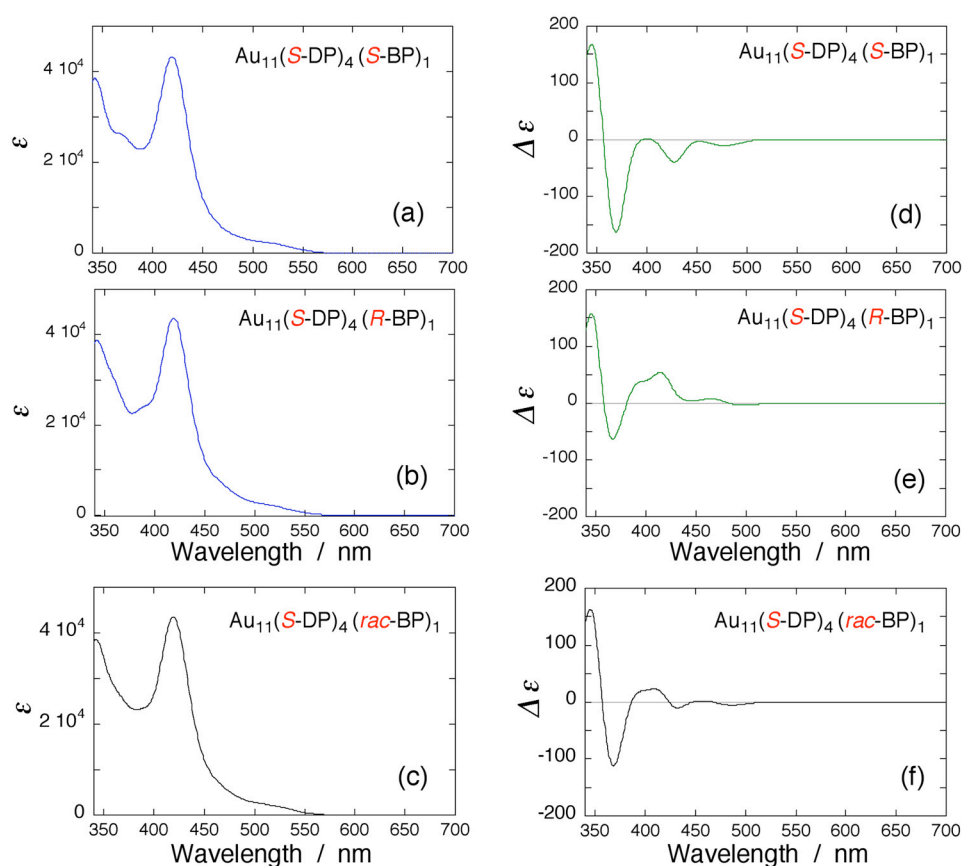


Fig. S1. Simple average of absorption ((a) or (b)) and CD spectra ((d) or (e)) of isomers $1_{\text{S}}\text{--}5_{\text{S}}$ or $1_{\text{R}}\text{--}5_{\text{R}}$, respectively. (c) or (f) shows absorption or CD spectrum that can be obtained as a simple average of (a) and (b), or (d) and (e), respectively.