Catalytic Deracemization of Allenes

**Significance:** Bach and co-workers report an al- lene deracemization reaction catalyzed by an or- ganic chiral sensitizer under visible light. By using this method, several racemic allenes were convert- ed into enantiomers with yields of ≤100% and er values of ≤98.5:1.5. DFT calculations are also pro- vided to support the proposed mechanistic descrip- tion.

**Comment:** Light-driven deracemization of chiral compounds might be implicated in the origin of early-stage chirality. The present unprecedented discovery presents an example to support this hy- pothesis. With different substrate classes, solutions to generate chiral centers might be possible in cases where thermally controlled catalytic deracemiza- tions are entropically disfavored.