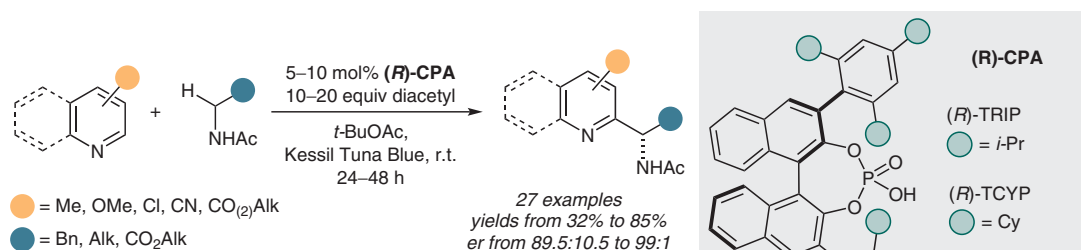
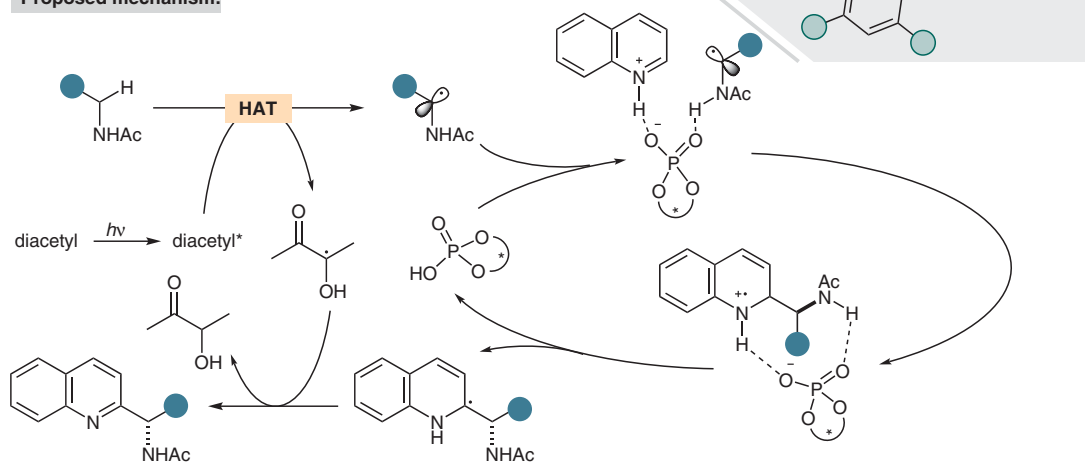


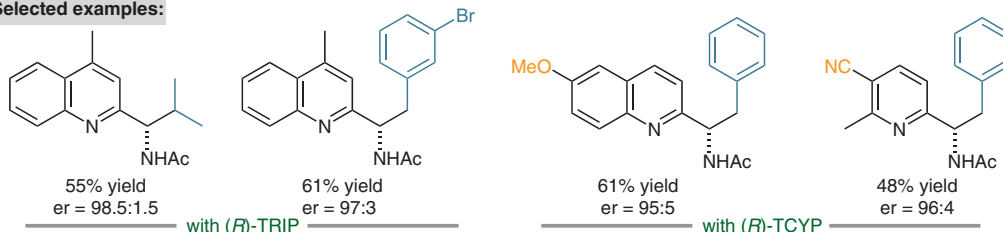
Enantioselective Minisci-Reaction of N-Heterocycles and Amides through Hydrogen-Atom Transfer



Proposed mechanism:



Selected examples:



Significance: Phipps and co-workers report a photochemical hydrogen-atom transfer (HAT)-driven enantioselective Minisci reaction of N-heterocycles with amides by using one of a series of chiral phosphoric acids as the chromophore and diacetyl as the terminal oxidant. The corresponding C2-substituted products are obtained in moderate to good yields and with good to excellent enantioselectivities.

Comment: On the basis of their recent experimental and theoretical investigations (*J. Am. Chem. Soc.* **2020**, *142*, 21091), the authors address several limitations, including the laborious synthesis of redox-active esters and low-yielding reactions. The successful introduction of easily accessible N-acylated primary amines as sources of α -amino radicals led to the establishment of a more generally applicable system with a broad substrate scope, with diacetyl as an inexpensive chromophore and chiral phosphoric acids to induce enantioselectivity.