Chemoenzymatic Dynamic Kinetic Resolution at Normally Static Stereogenic Centers

Significance: The Hyster and MacMillan groups used photoredox catalysis to induce dynamic stereocontrol at normally static stereogenic centers and, in conjunction with a ketoreductase, yield \( \gamma \)-substituted alcohols in nearly enantiopure form.

Comment: Given the range of chemical space that is open to photo-/organocatalytic processes, paired with the unparalleled selectivity of enzymes, this novel platform will undoubtedly open new pathways for stereoconvergent syntheses.

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