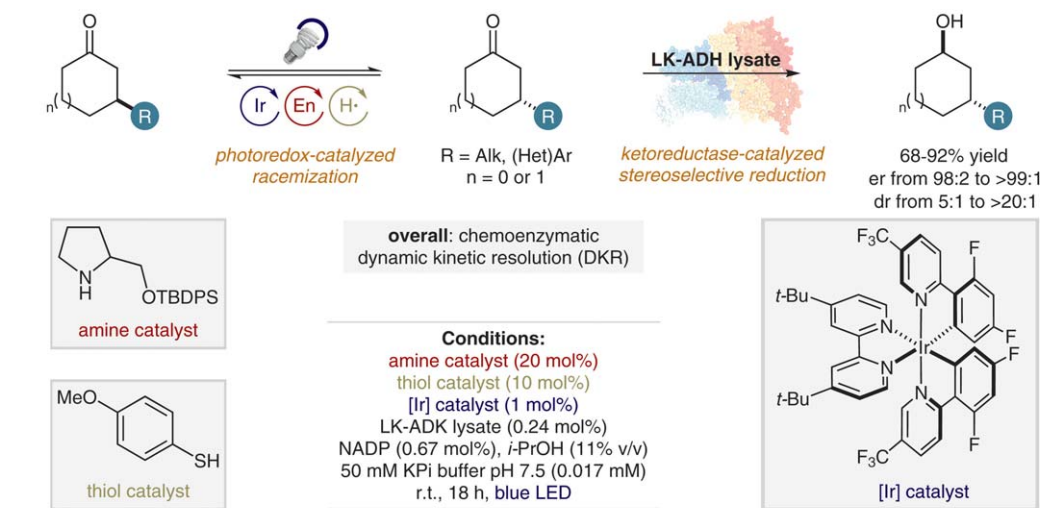


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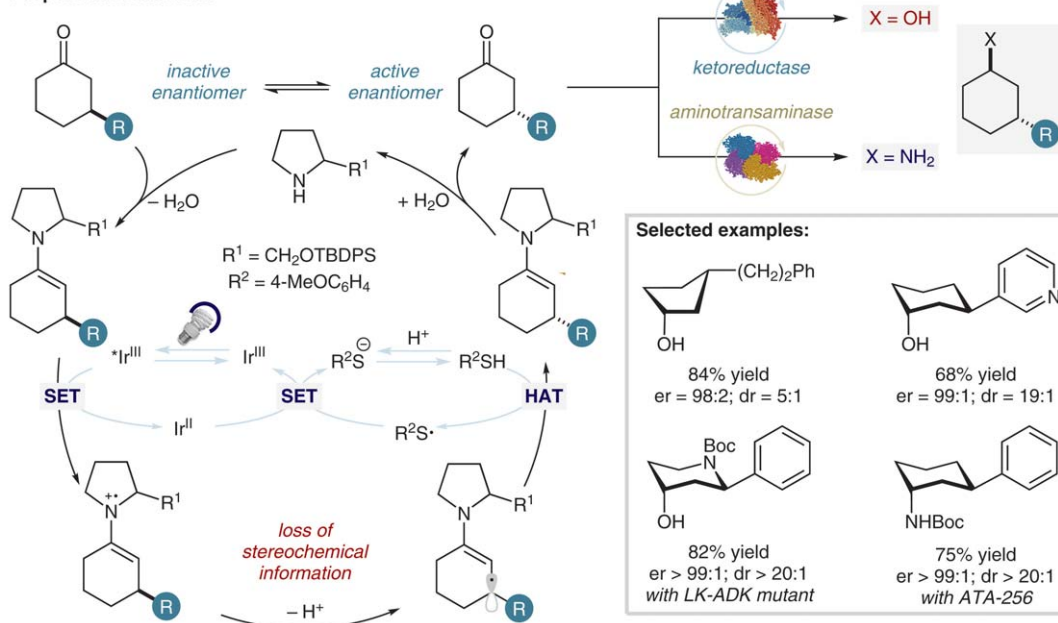
Static to Inducibly Dynamic Stereocontrol: The Convergent Use of Racemic  $\beta$ -Substituted Ketones

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# Chemoenzymatic Dynamic Kinetic Resolution at Normally Static Stereogenic Centers



Proposed mechanism:



**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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