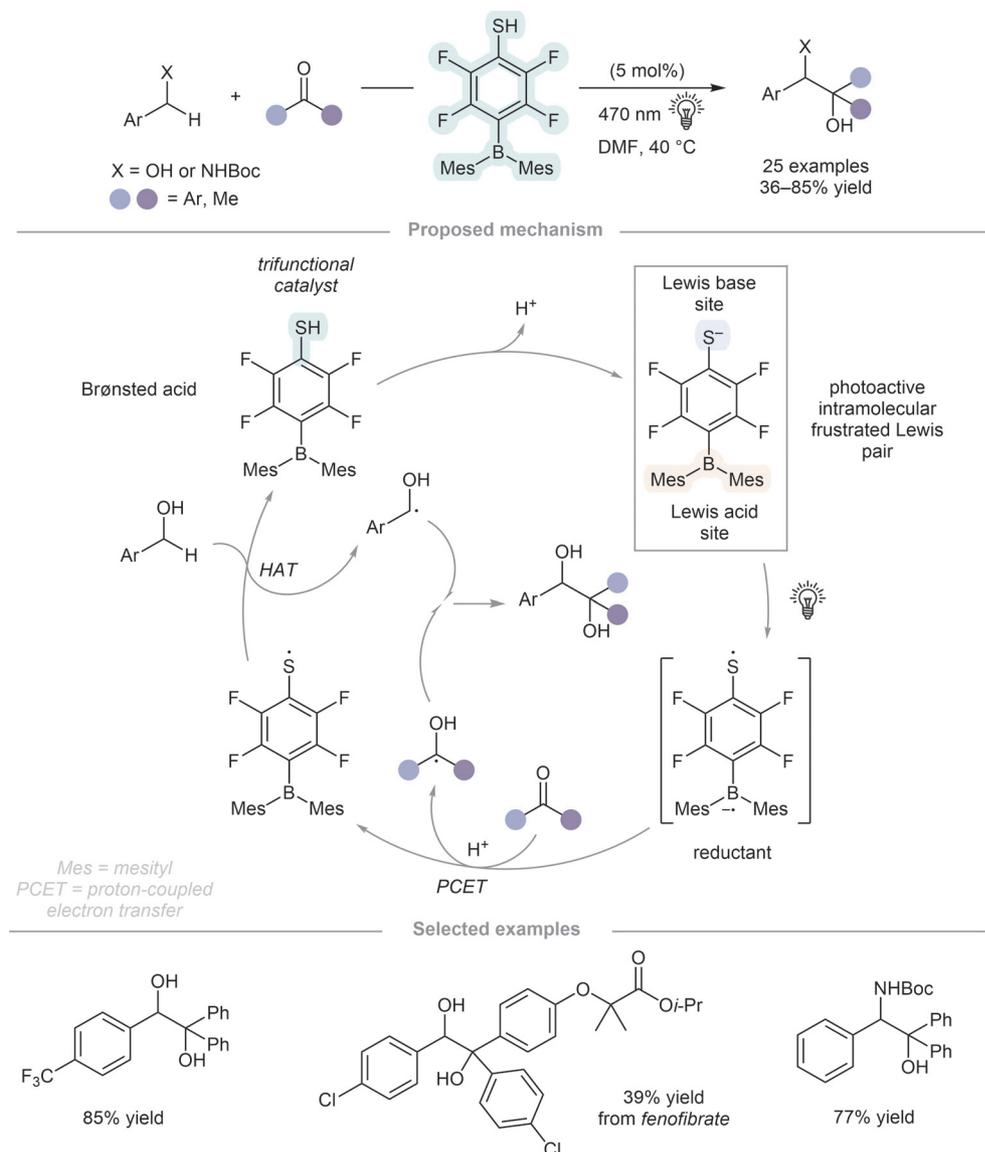


A Novel Trifunctional Catalyst Enables Radical–Radical Coupling via Intramolecular Frustrated Lewis Pairs



Significance: The authors describe a new class of *p*-diarylboryl halothiophenols merging photo- and frustrated Lewis pair activation modes. The unique properties of the catalyst allow efficient assembly of sterically congested 1,2-diols and 1,2-aminoalcohols through radical–radical coupling.

Comment: The present study showcases how a sophisticated design can efficiently combine diverse catalytic properties even in a simple thiophenol derivative. The method also provides an elegant alternative to benzoin-type additions as it does not require a stoichiometric reductant.