

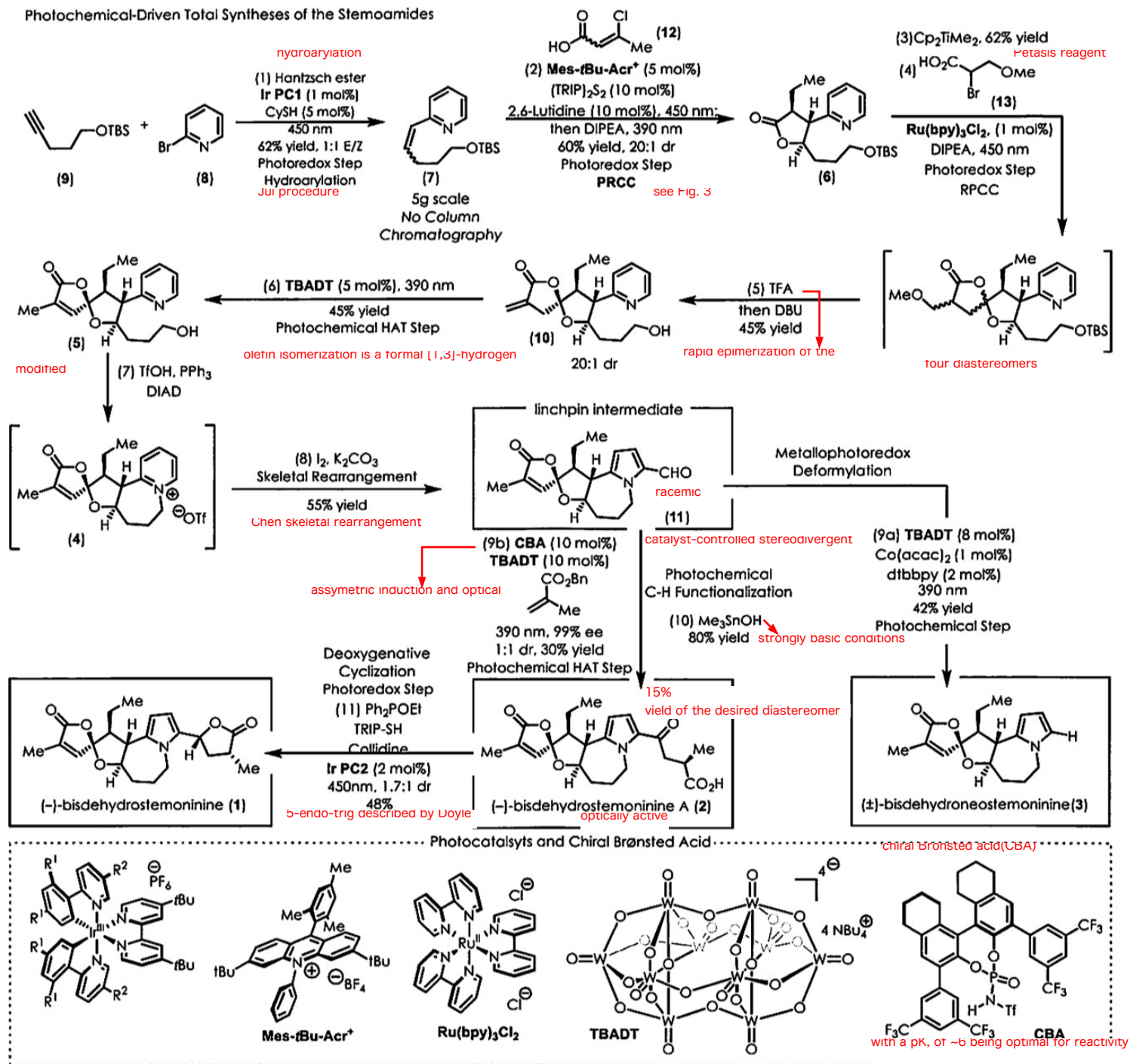
a polar radical crossover cycloaddition (PRCC)

This reactor takes advantage of oxidizable olefins and generates reactive cation radical species prone to predictable anti-Markovnikov type nucleophilic addition

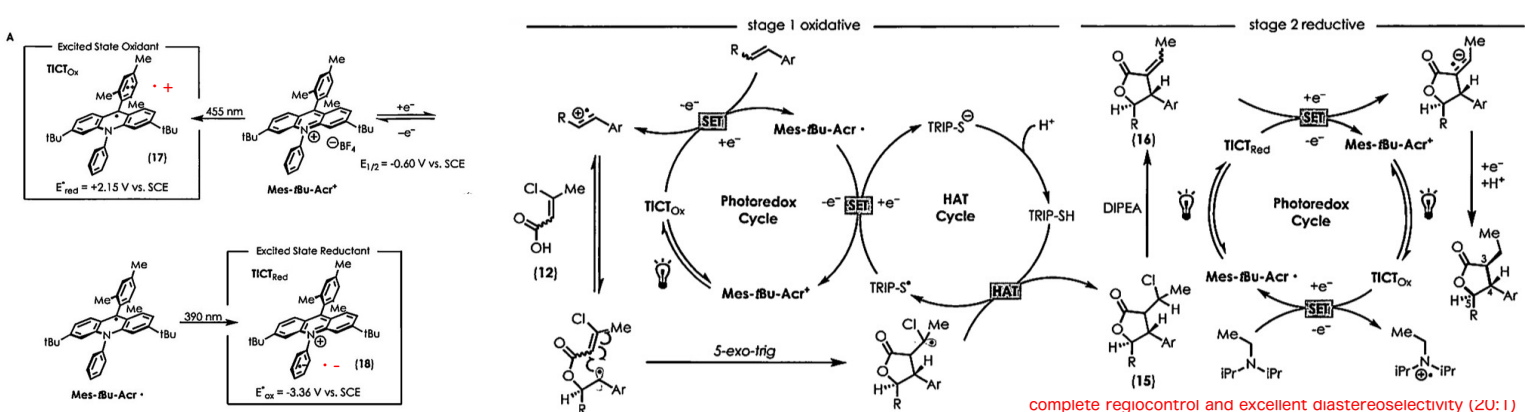
the pyrrole-containing stemoamide alkaloids



Photochemical-Driven Total Syntheses of the Stemoamides



an opportunity to take full advantage of both the highly oxidizing and reducing



complete regiocontrol and excellent diastereoselectivity (20:1)

Figure 3. Polar radical crossover cycloaddition (PRCC). (A) Mes-tBu-Acr* oxidative and reductive pathways depicting a consecutive photoinduced electron transfer (conPET). (B) Polar radical crossover cycloaddition merged with reductive capabilities of the Mes-tBu-Acr* TICT_{red} state.