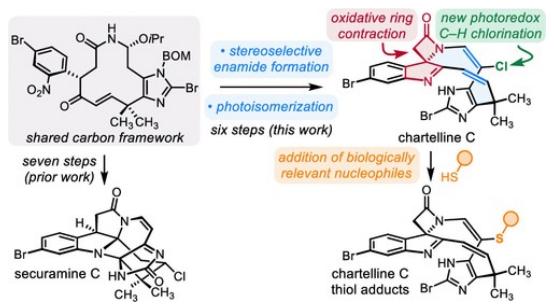


Total Synthesis of Chartelline C

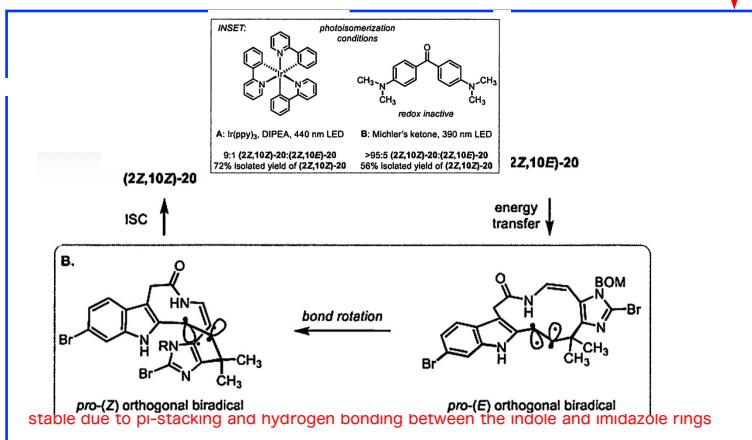
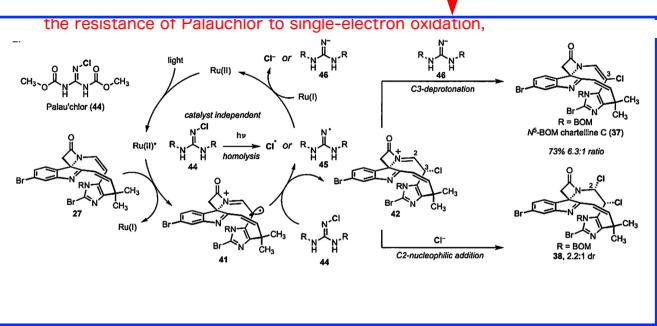
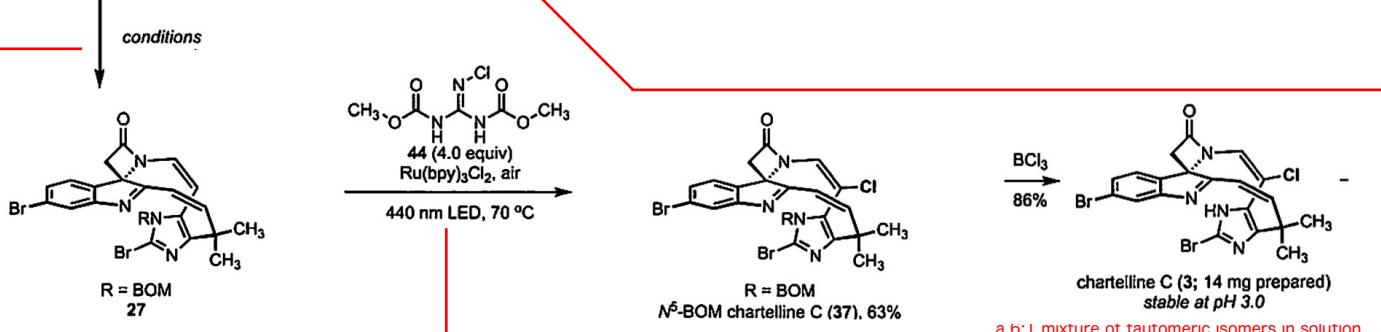
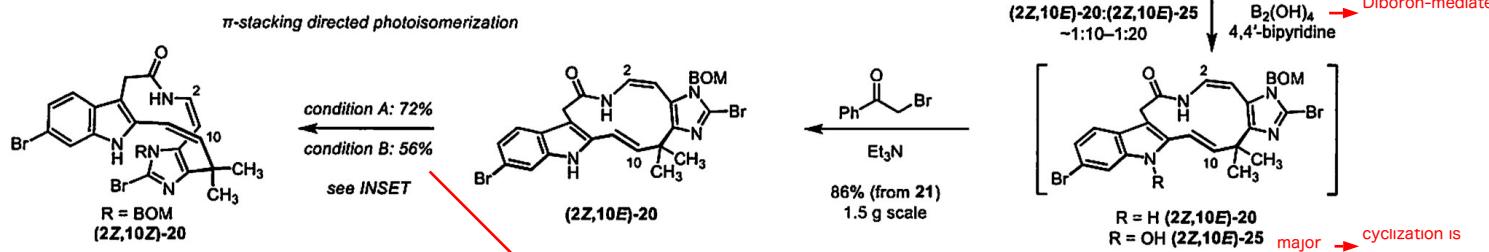
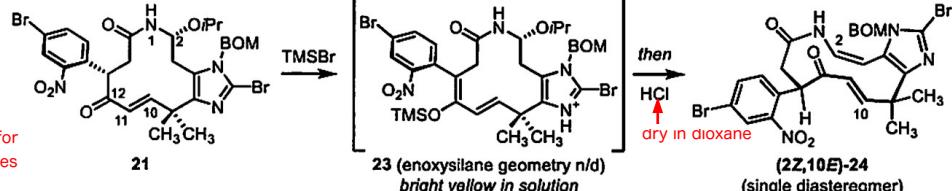
Noah M. Bartfield, Brandon W. Alexander, and Seth B. Herzon*
J. Am. Chem. Soc. 2025, 147, 24921-24931

imidazole and indolenine rings occupy a nearly parallel orientation, suggestive of a pi-stacking interaction.

6 steps and 21% yield from the macrolactam ZI



- 11 steps, 30% from commercial reagents
- accessible on 6 g scales
- a common intermediate for securines and securamines



Scheme 3. Analysis and Optimization of the β -Lactam Formation Step

