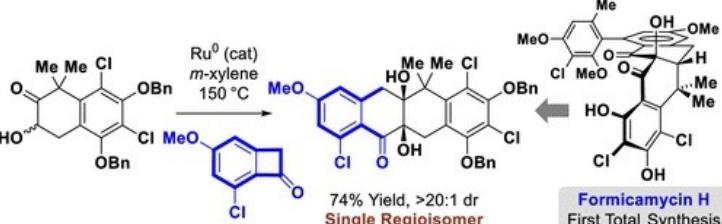


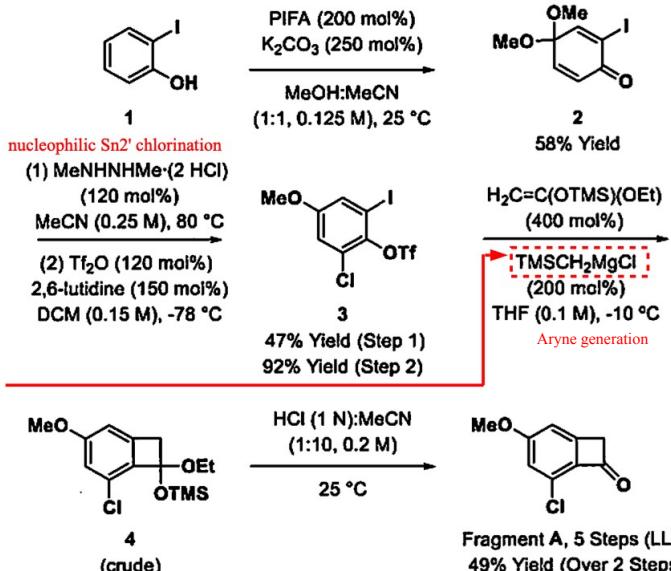
Total Synthesis of the Phenylnaphthalenoid Type II Polyketide Antibiotic Formicamycin H via Regioselective Ruthenium-Catalyzed Hydrogen Auto-Transfer [4 + 2] Cycloaddition

Guanyu Hu, Rosalie S. Doerksen, Brett R. Ambler, and Michael J. Krische*
Journal of the American Chemical Society 2024, 146, 38, 26351–26359

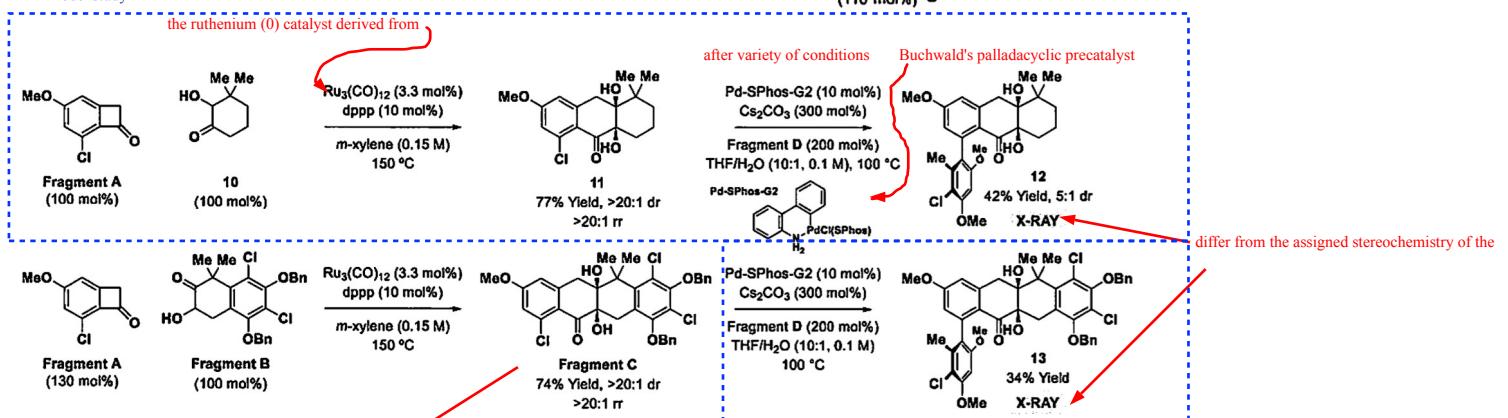
the first enantioselective



Scheme 2. Synthesis of Benzocyclobuteneone Fragment A^a



model study



Scheme 5. Conversion of Cycloadduct Fragment C to the Penultimate Synthetic Intermediate Trichloride 23^a

