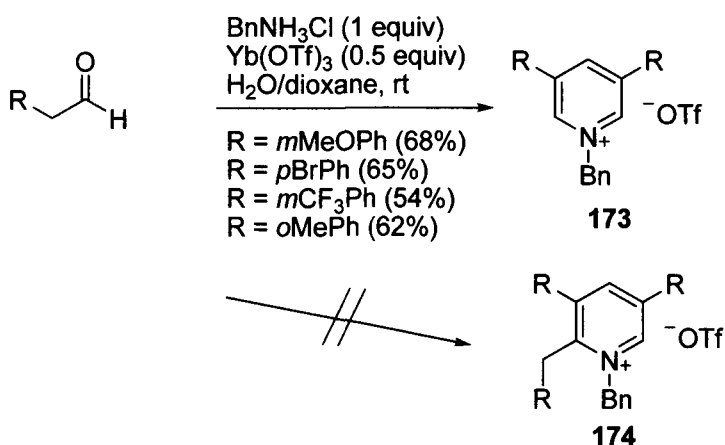


Recently, the Baran group discovered a mild “abnormal” Chichibabin pyridine synthesis using benzylammonium chloride as the amine source and $\text{Yb}(\text{OTf})_3$ as the catalyst to form pyridinium **173** instead of **174** in their pursuit of biochemical origin of the haouamine alkaloids¹¹⁷ and the total synthesis of haouamine alkaloids.¹¹⁸



*Bohlmann–Rahtz pyridine synthesis*¹¹⁹

Bohlmann and Rahtz reported the preparation of 2,3,6-trisubstituted pyridines **178**¹²⁰ by Michael addition of acetylenic ketones (ynone