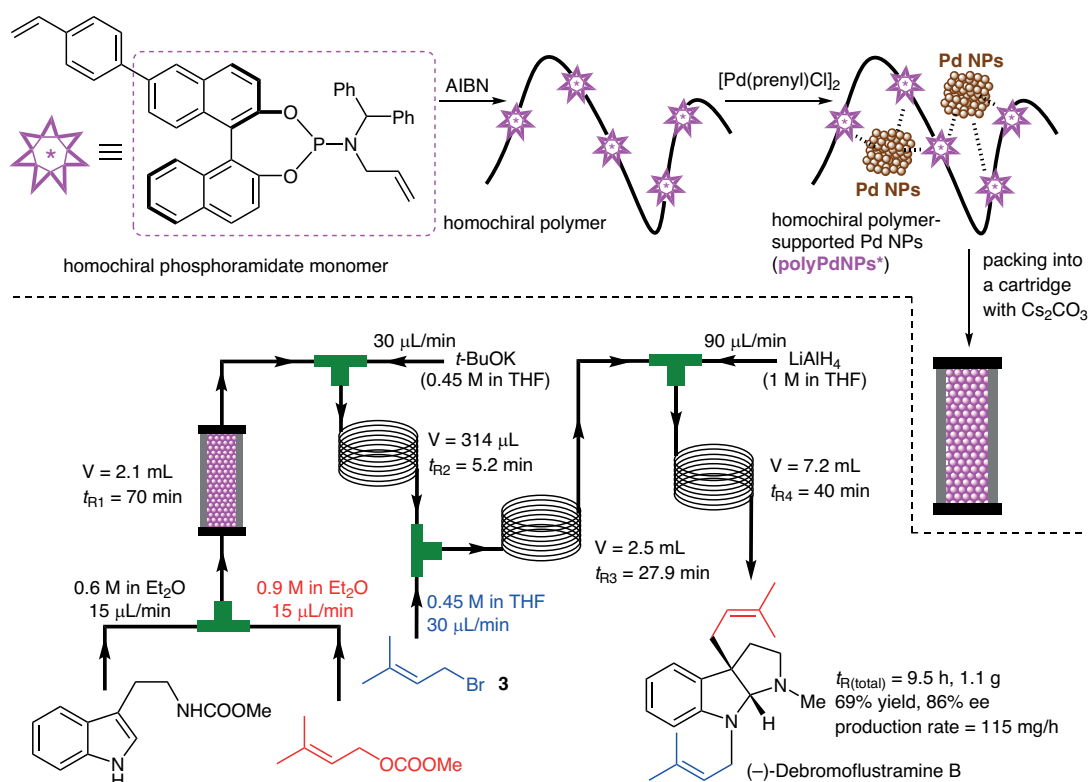
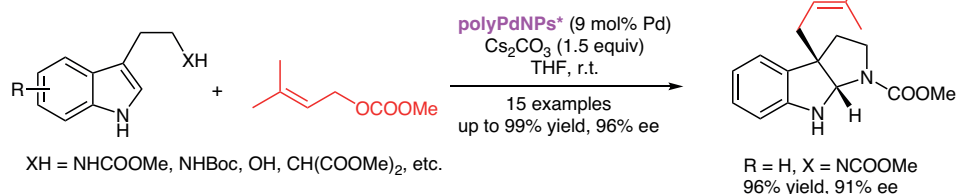


Continuous-Flow Total Synthesis of (–)-Debromoflustramine B Using Homochiral Polymer-Supported Pd NPs



Asymmetric dearomative prenylation with polyPdNPs* in batch



Significance: A homochiral phosphoramidate polymer was treated with [Pd(prenyl)Cl]₂ to form a polymeric homochiral nanopalladium composite, **polyPdNPs***. A four-step synthesis of (–)-debromoflustramine B was achieved in flow using **polyPdNPs*** (total 69% yield, 86% ee).

Comment: Asymmetric dearomative prenylation of various indole derivatives, which is the key enantioselective step of the flow total synthesis, was examined in batch with **polyPdNPs*** (15 examples; up to 99% yield, 96% ee).