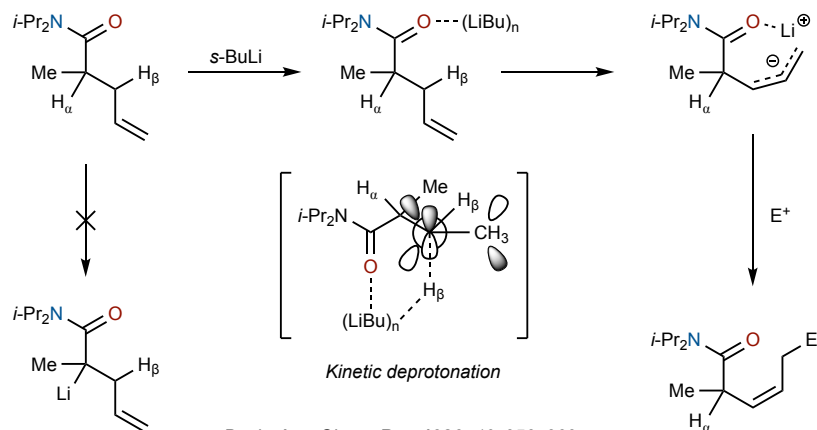
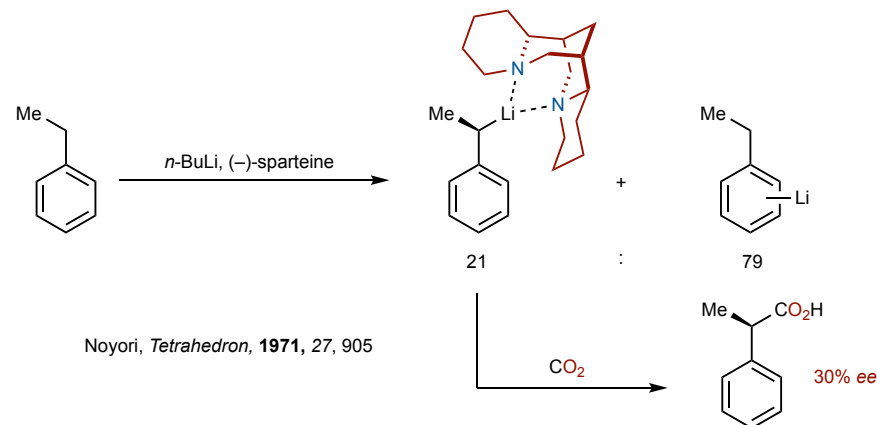


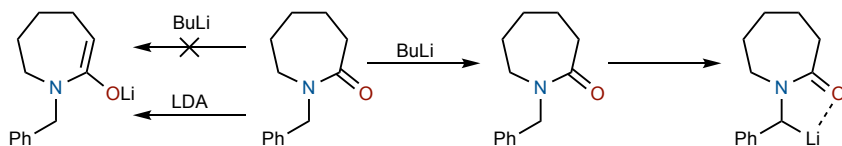
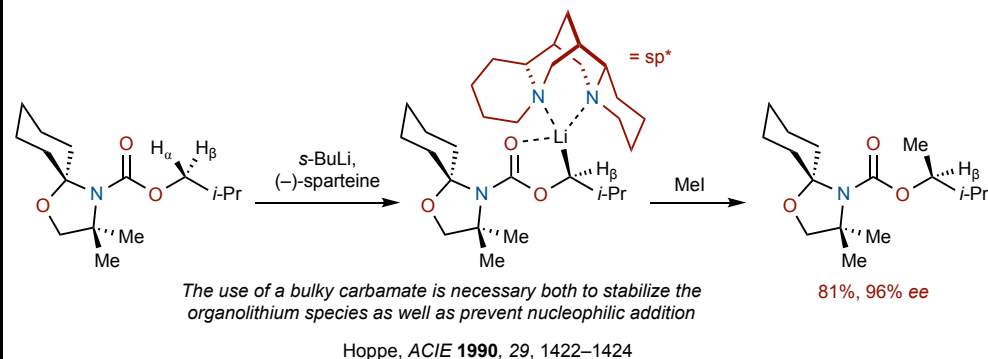
Complex induced proximity effects (CIPE)



Enantioinduction with lithium-(–)-sparteine complexes

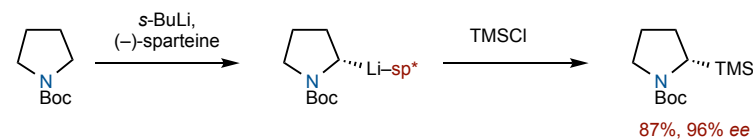
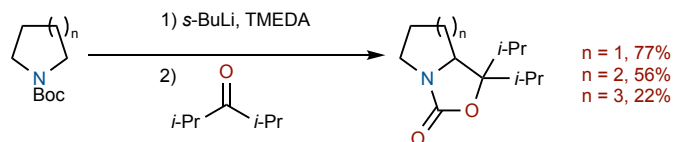


Putting the two together

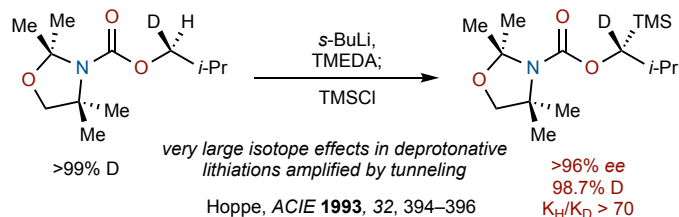
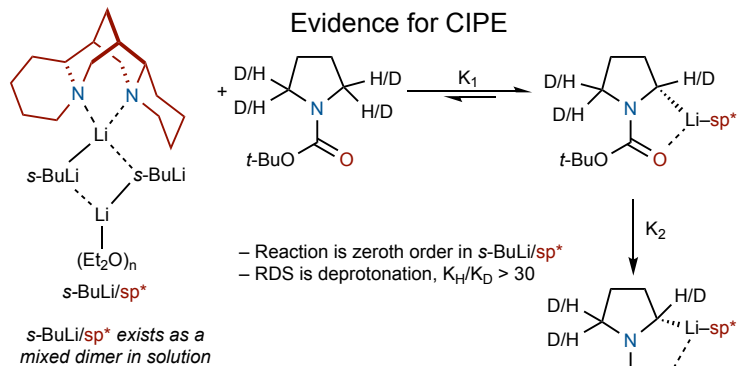


Choice of base is crucial; lithium amide bases often (though not always) display entirely different solvation and aggregation behavior than alkyl lithium bases

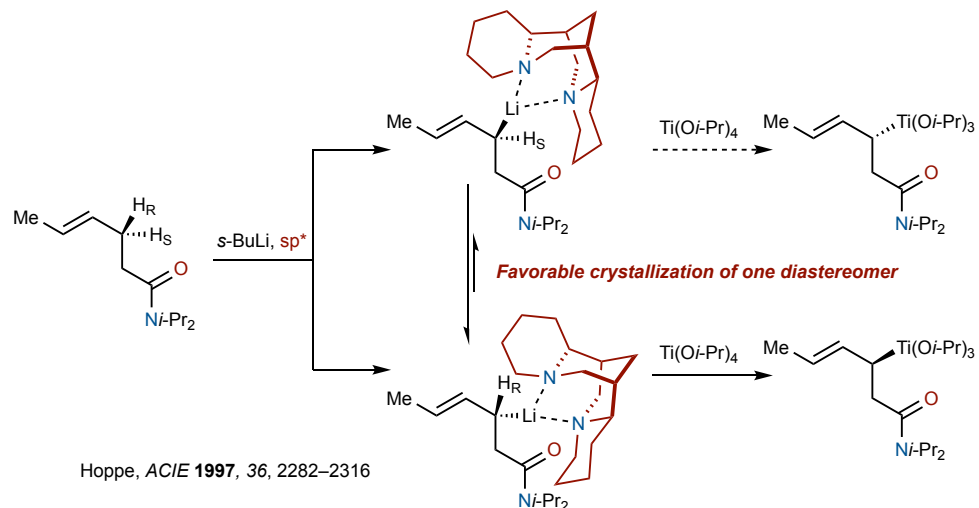
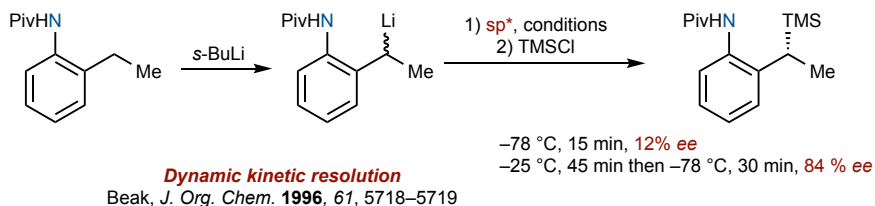
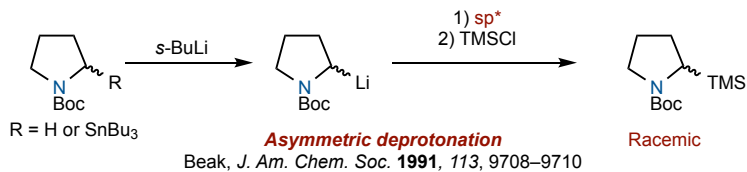
Beak, *Acc. Chem. Res.* **1986**, 19, 356–363



Evidence for CIPE



Mechanisms for enantioinduction



Accessing the other enantiomer

S_E2 process may be invertive or retentive depending on both the lithiated species as well as the electrophile

