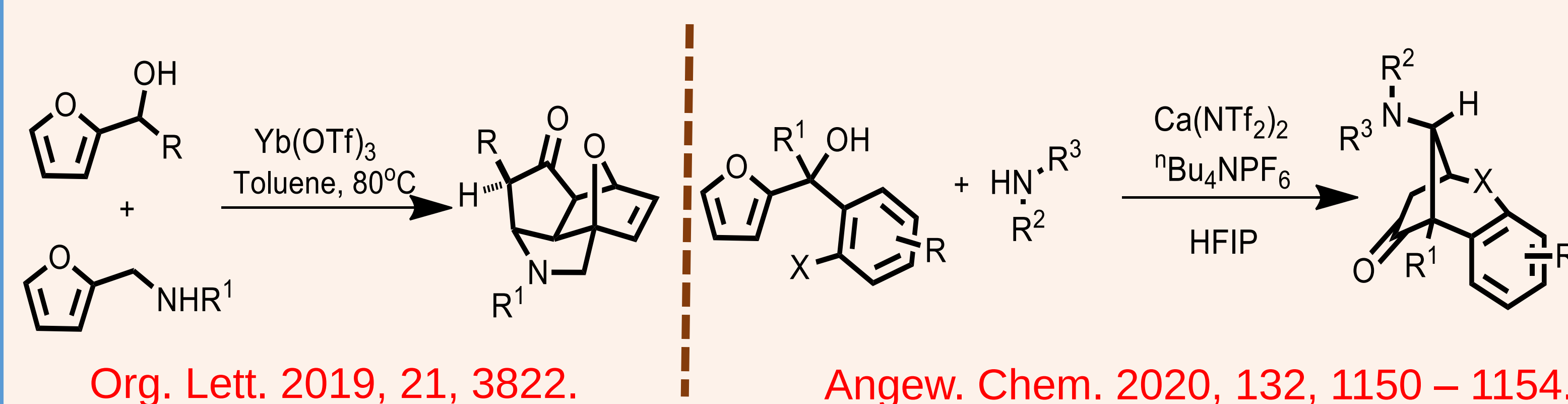
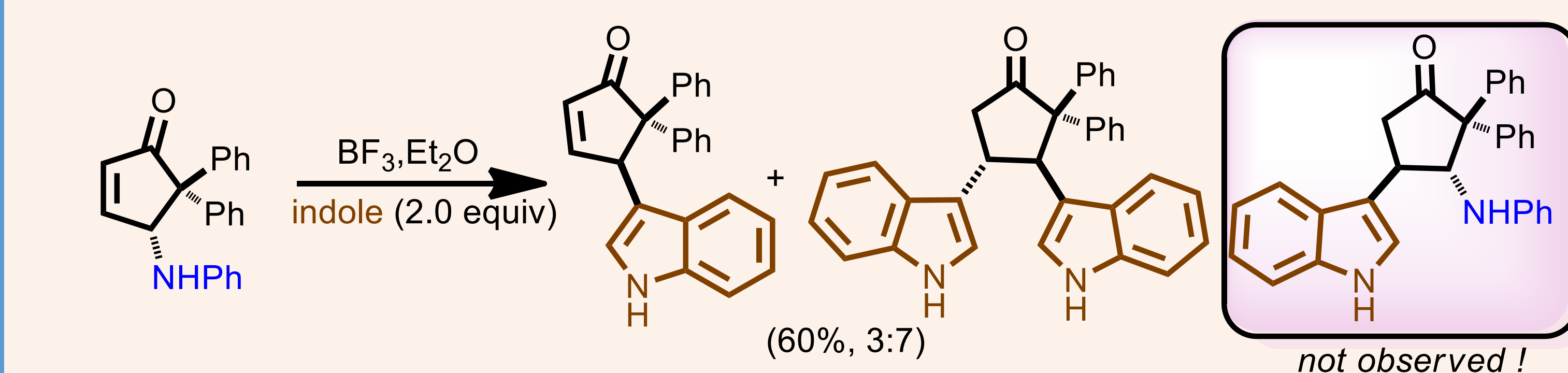


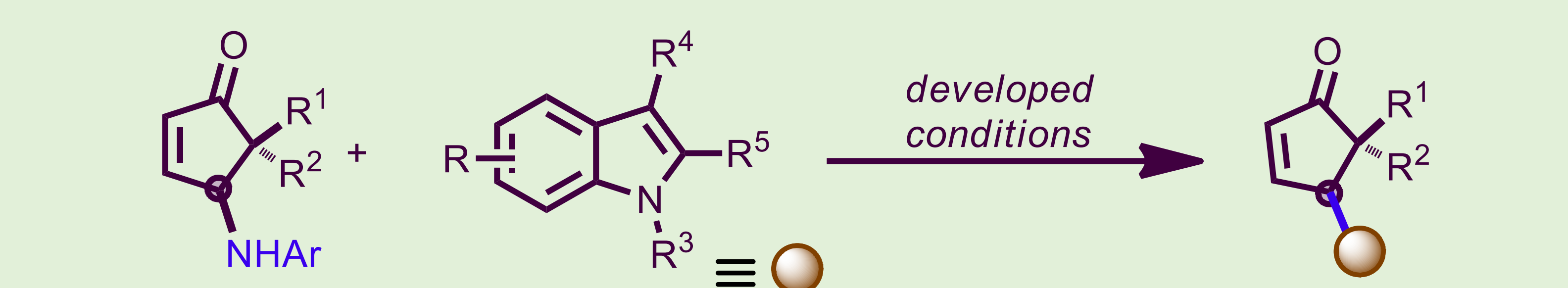
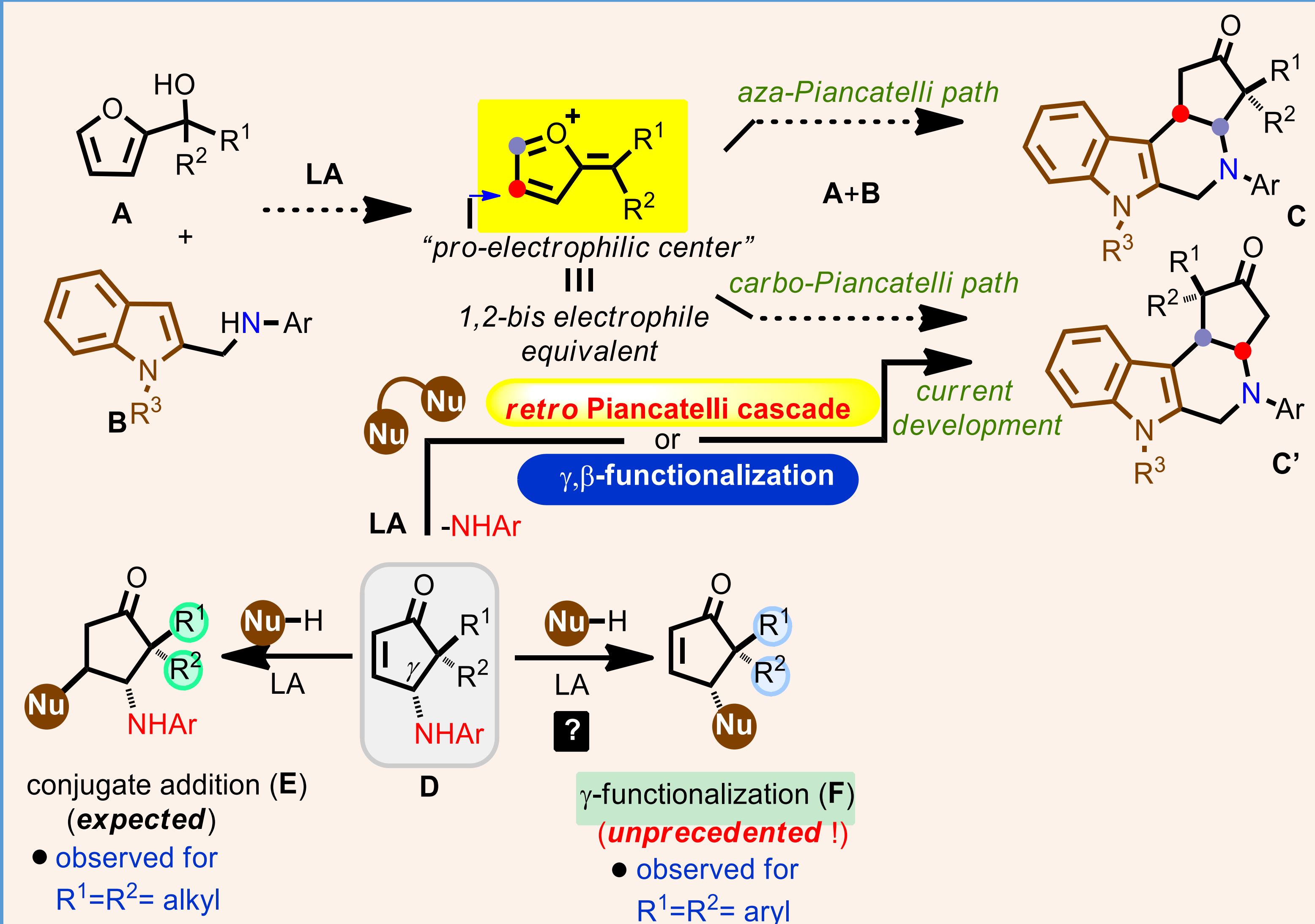
Representative tandem aza-Piancatelli processes to complex scaffolds



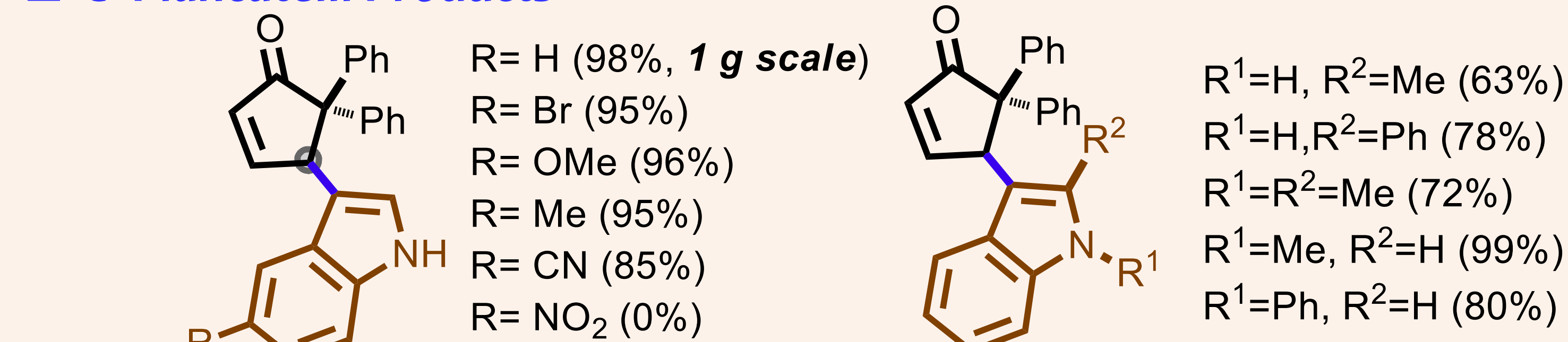
Initial Observations



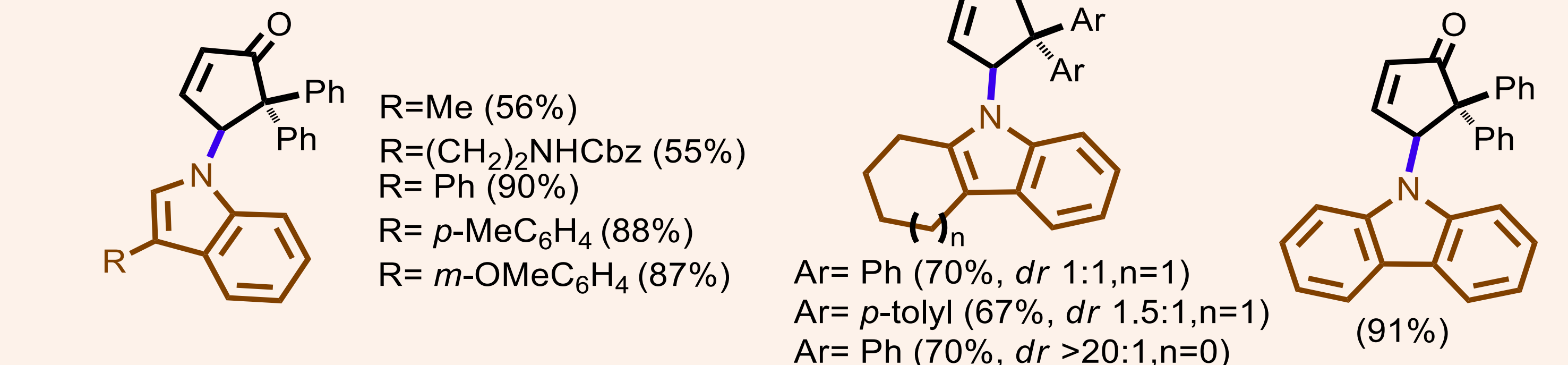
Our hypothesis to Design, discovery to current development of strategy for complex indoloid structures.



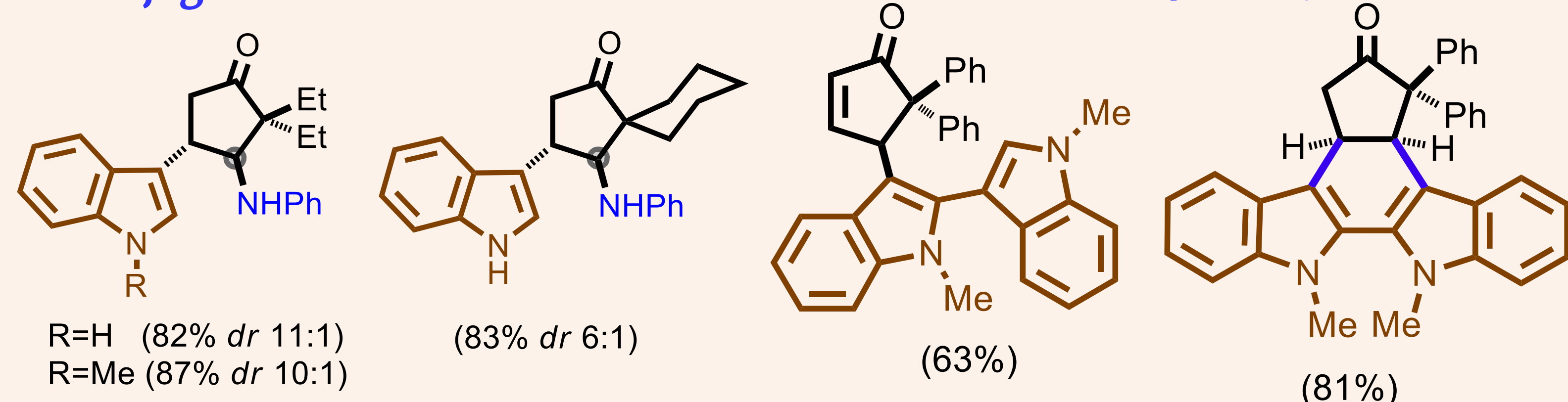
C- Piancatelli Products



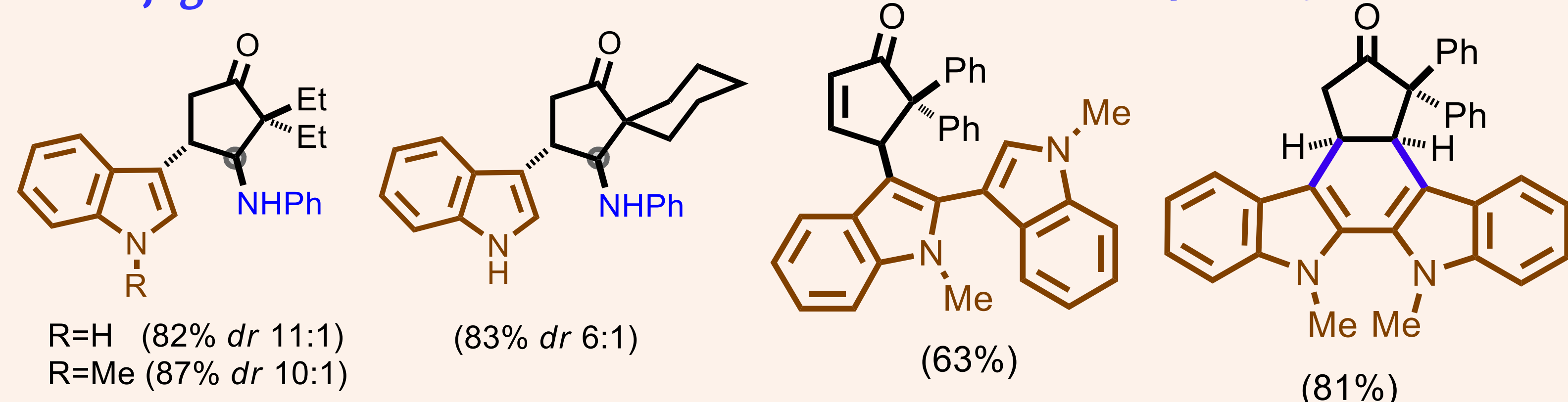
N- Piancatelli Products



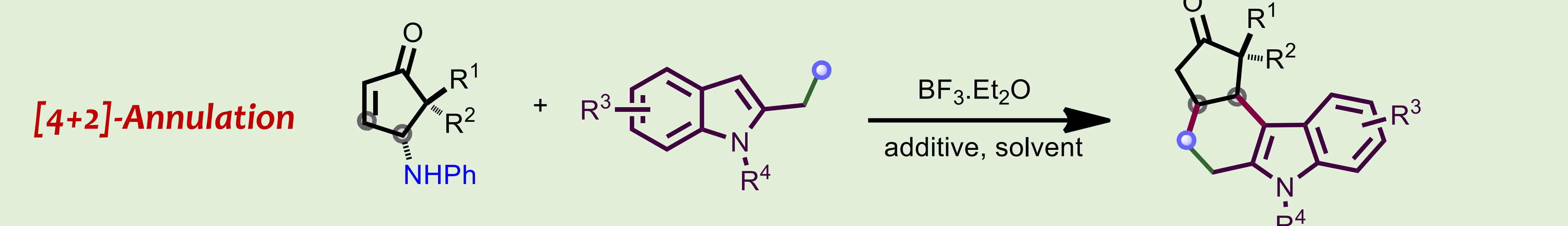
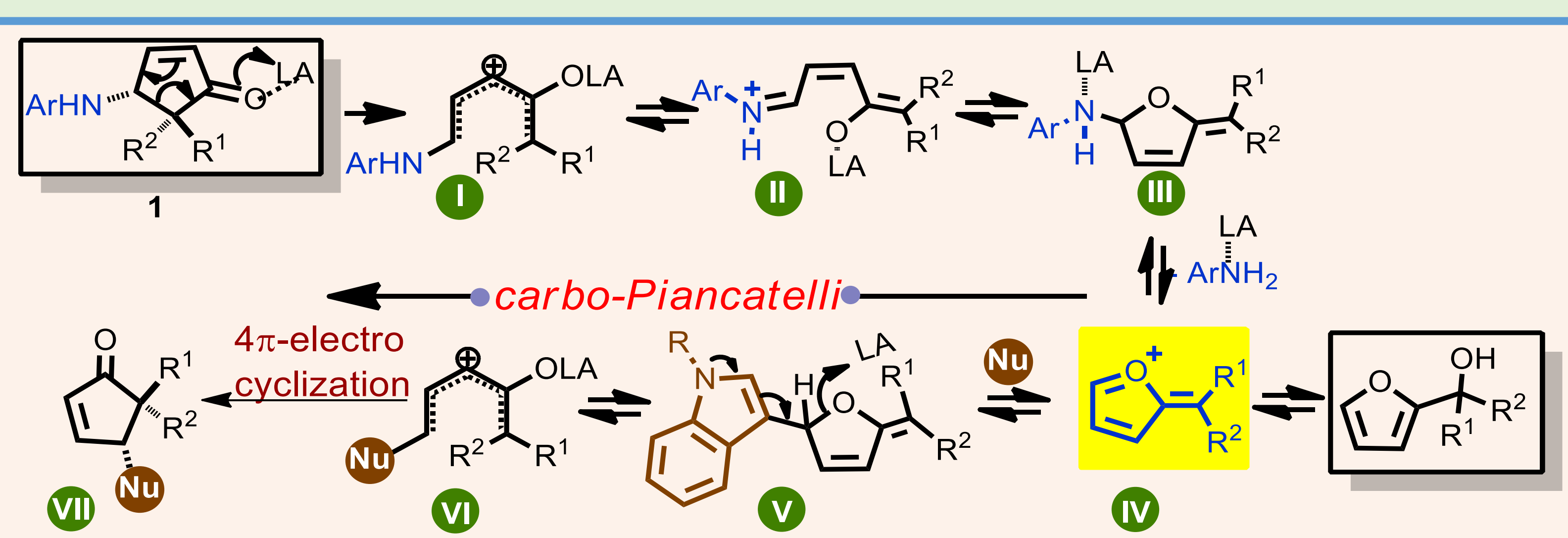
Conjugate addition Products



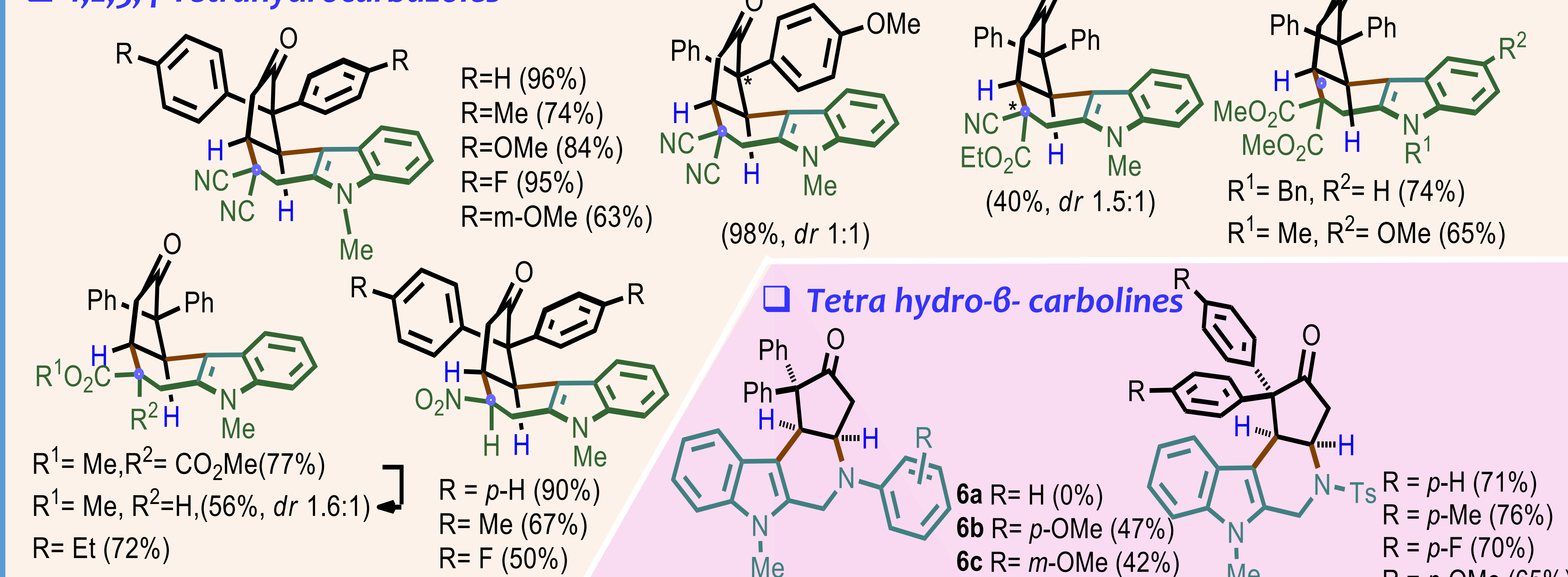
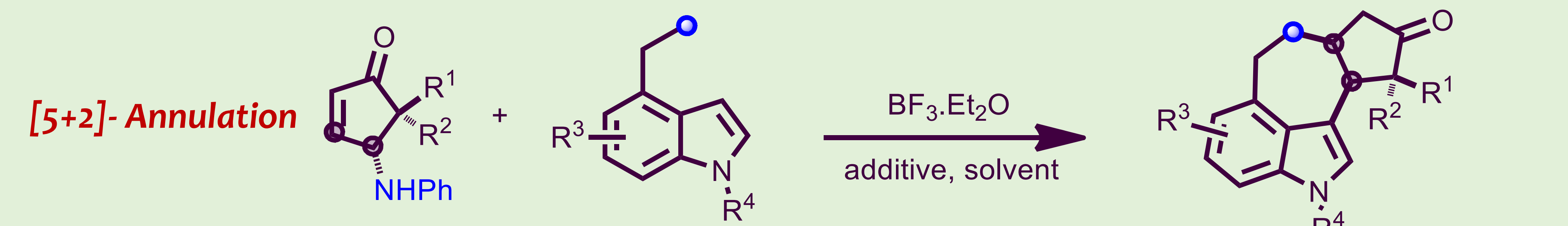
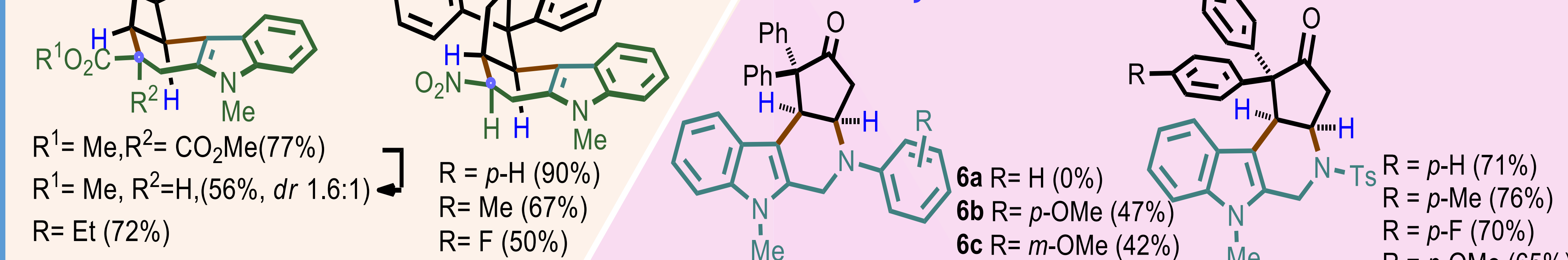
Bis - Nucleophilic systems



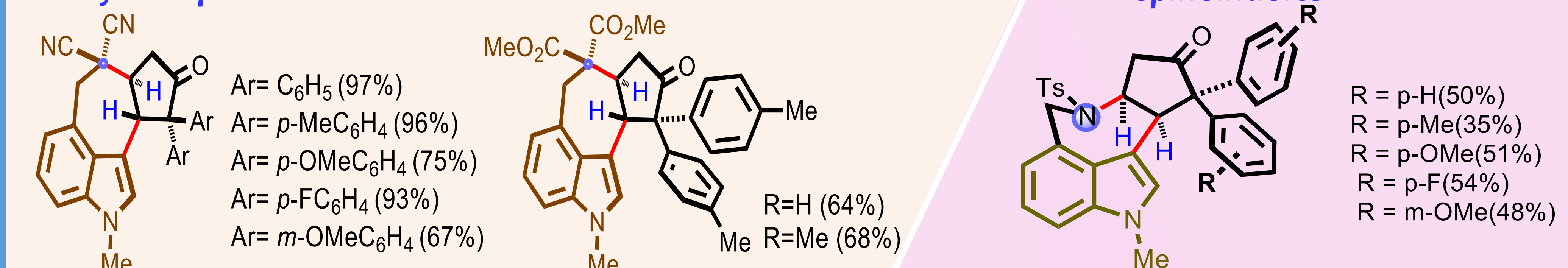
Plausible mechanism



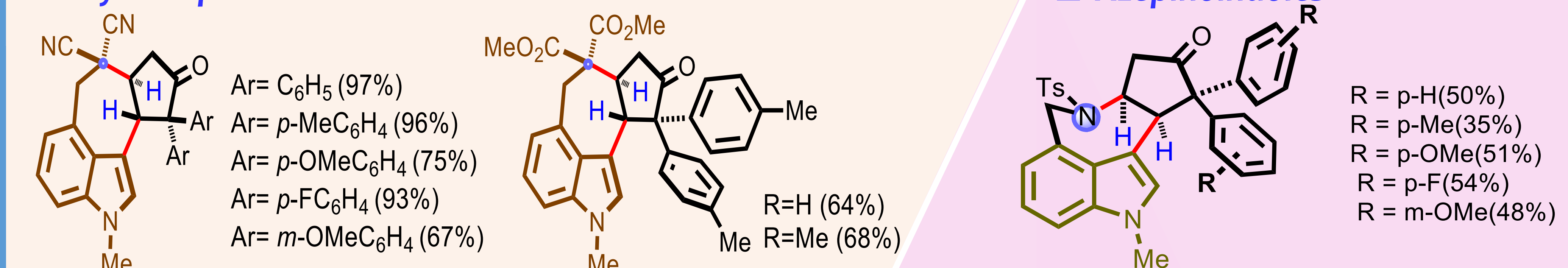
1,2,3,4-Tetrahydrocarbazoles

Tetra hydro- β - carbolines

Cycloheptannelated Indoles



Azepinoindoles



References:

- G. Piancatelli, A. Scettri, S. Barbadoro, Tetrahedron Lett. **1976**, 17, 3555-3558.
- L.-I. Palmer, J. Read de Alaniz, Angew. Chem. Int. Ed. **2011**, 123, 7305-7308.
- S. Wang, R. Guillot, J.-F. Carpentier, Y. Sarazin, C. Bour, V. Gandon, D. Leboeuf, Angew. Chem. Int. Ed. **2020**, 132, 1150-1154.
- C. Jagadeesh, B. Mondal, S. Pramanik, D. Das, J. Saha, Angew. Chem. Int. Ed. **2021**, 60, 8808-8812.