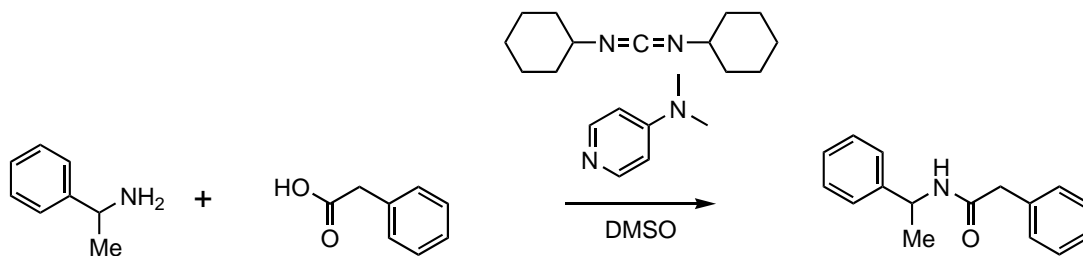
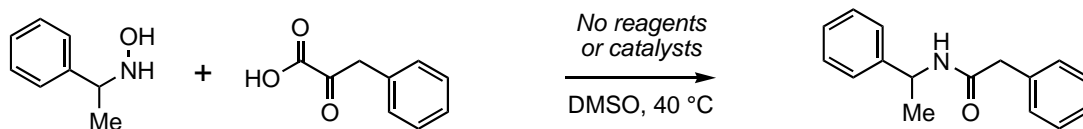


Provide reasonable arrow-pushing mechanisms for the following reactions.

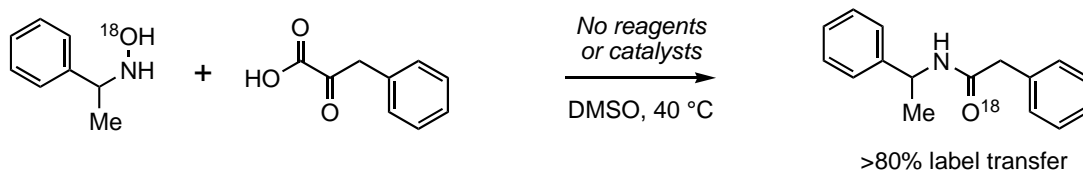
For B3



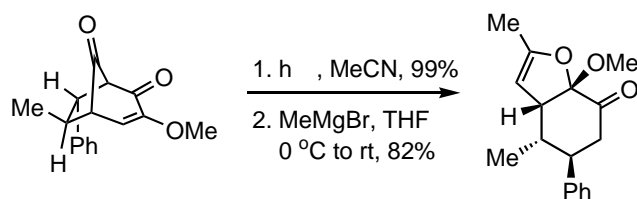
For M1



For \geq DC



I. Pusterla and J. W. Bode, *ACIE* **2012**, 51, 513.



J. A. Porco, Jr. et al. *J. Org. Chem.*, **2011**, 76, 9792.