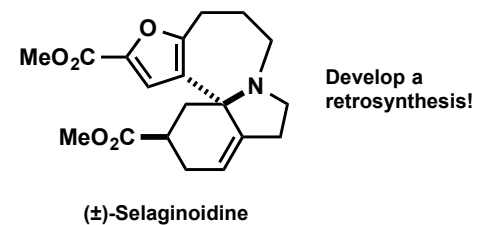
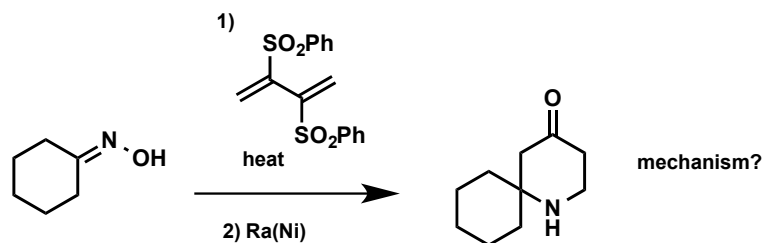


M. P. Cassidy, A. D. Özdemir, A. Padwa; *Org. Lett.* 2005, 1339

mechanism?

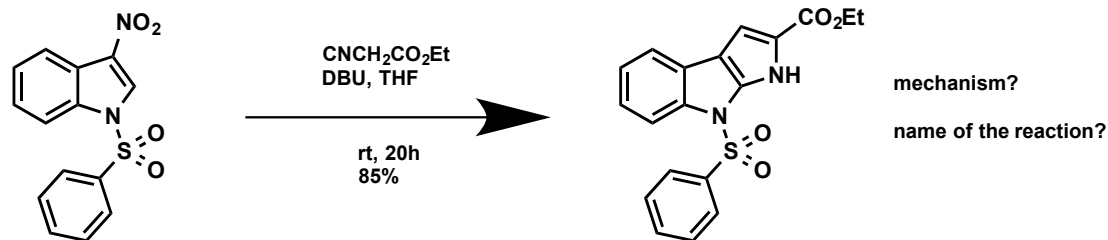


Develop a retrosynthesis!



M. S. Wilson, A. Padwa; *JOC* 2008, 9601

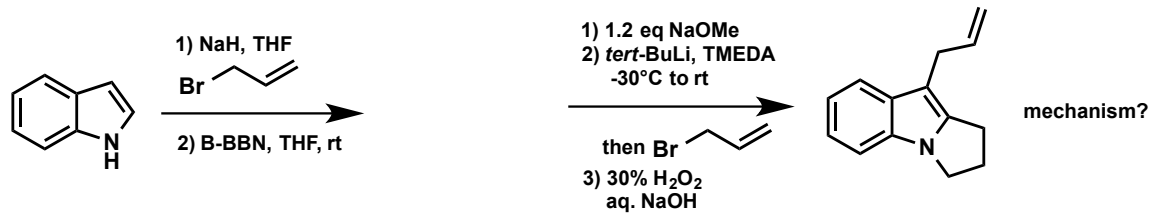
mechanism?



E. T. Pelkey, L. Chang, G. W. Gribble; *Chem. Commun.* 1996, 1909

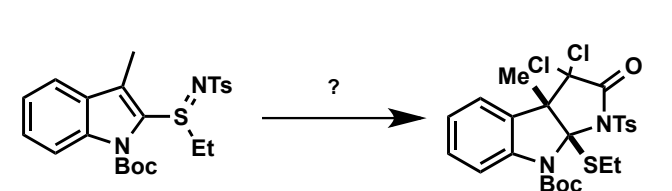
mechanism?

name of the reaction?

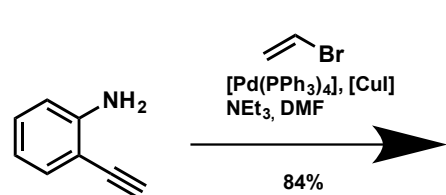


M. Ishikura, M. Terashima; *Tet. Lett.* 1992, 6849

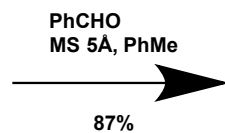
mechanism?



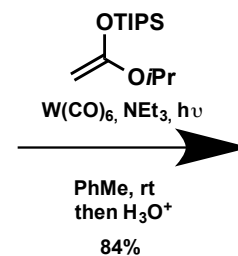
A. Padwa, S. Nara, Q. Wang; *JOC* 2005, 8538



84%



87%



PhMe, rt
then H₃O⁺
84%

product?

mechanism?

hint: tungsten-containing vinylazomethine ylide as intermediate for a [5+2] dipolar CA

H. Kusama, Y. Suzuki, J. Takaya, N. Iwasawa; *Org. Lett.* 2006, 895