

Dr. Andreana Group Meeting 7/6/2018

Problems provided by: Kris

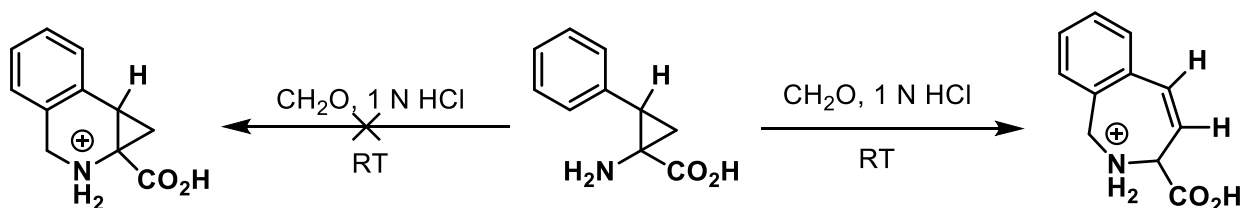
Problems Answered by: Farzana and Andhina

Choose one problem on page 1 and one problem on page 2.

The following two reactions both feature an Iminium ion intermediate.

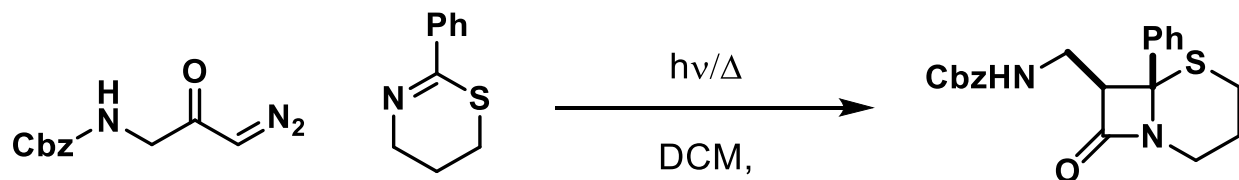
Problem 365 provided on Dr. Dave Evans group website and premiered in *J. Org. Chem.* **2001**, 66, 2884

Provide a mechanism for the ring formation.



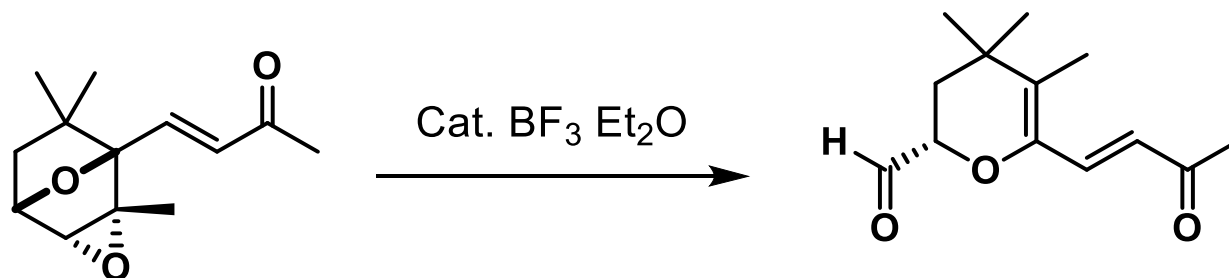
Problem 735 provided on Dr. Dave Evans group website and premiered in *J. Org. Chem.* **2005**, 70, 334

Provide a mechanism for the transformation. The product is a single diastereomer and the mechanism should explain this.



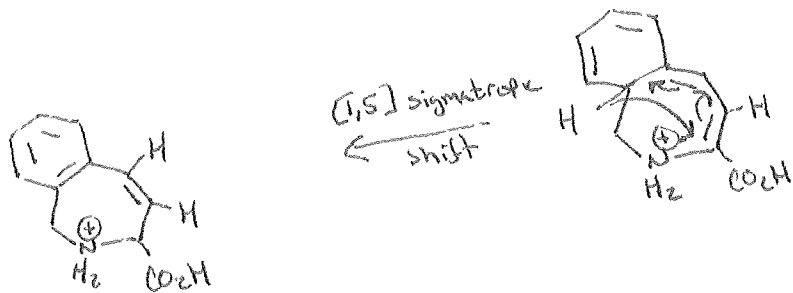
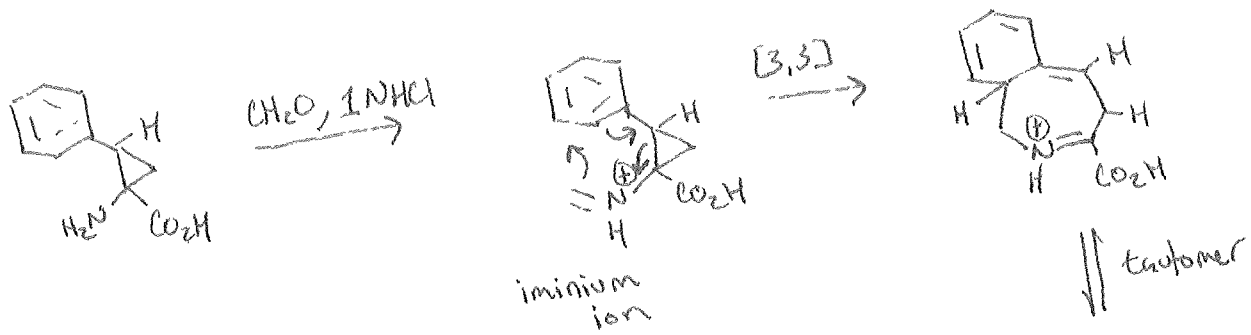
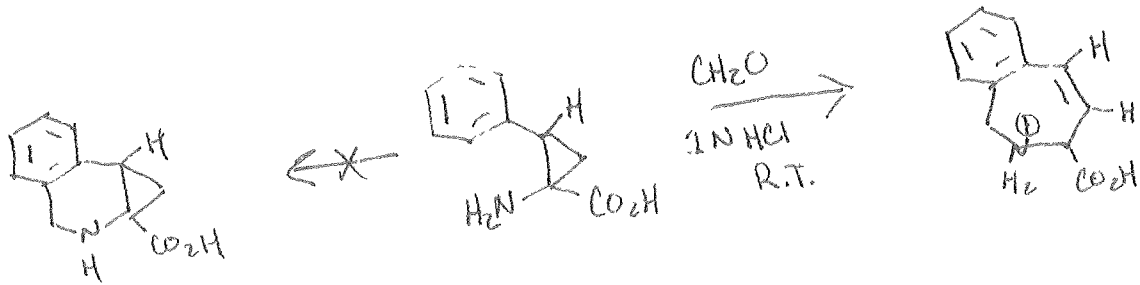
The following two reactions contain a rearrangement featuring a carbonium ion intermediate.

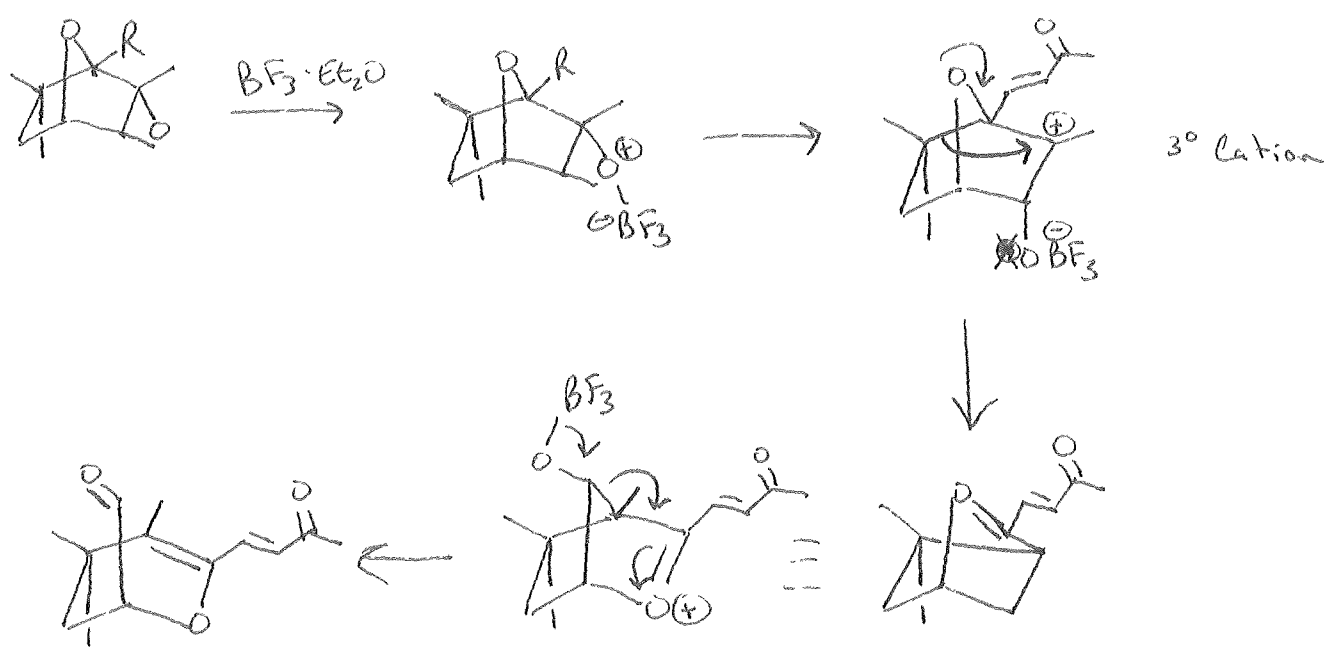
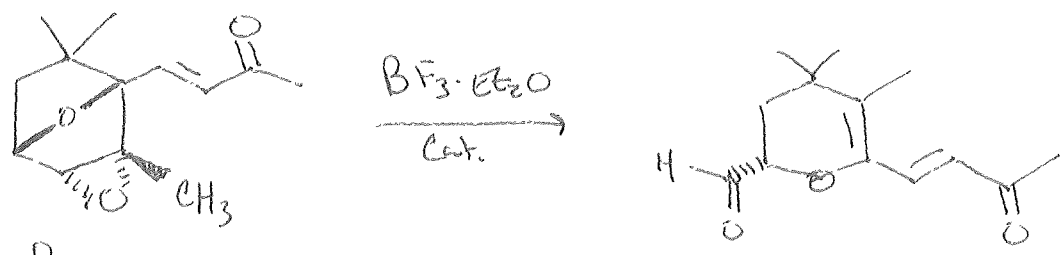
Problem 192 provided on Dr. Dave Evans group website and premiered in *Chem. Comm.* **1992**, 342



Problem 287 provided on Dr. Dave Evans group website and premiered in *JACS* **1994**, 116, 3290







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