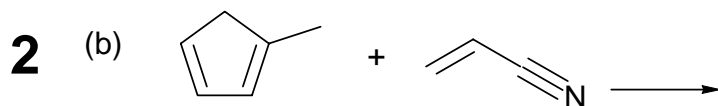
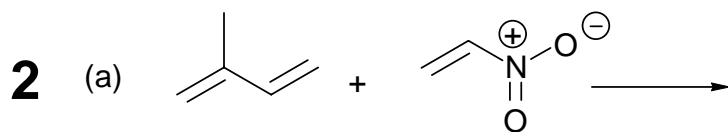


Happy Holidays!

Name

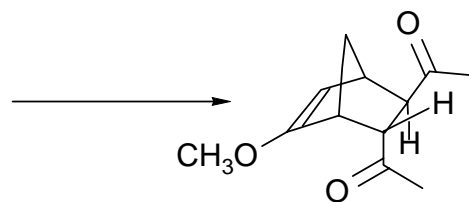
Chem 343 Quiz 13A
Dec 7, 2007

1. Give **all** the products of the following reactions. Show them in 3-D and including all stereoisomers which are formed.

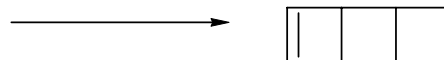


2. Give the starting materials for the following Diels-Alder products.

2

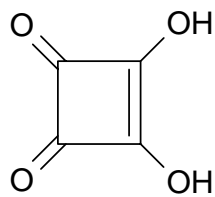


2



3. Write three resonance structures for the conjugate base of squaric acid.

2



squaric acid