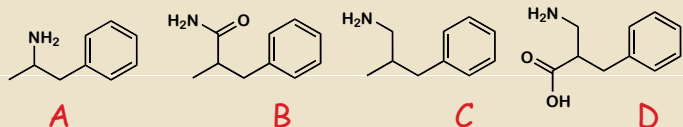
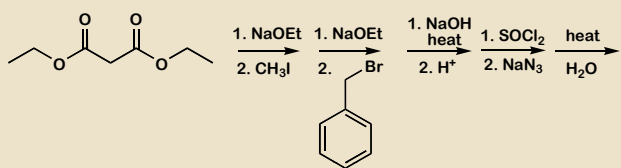
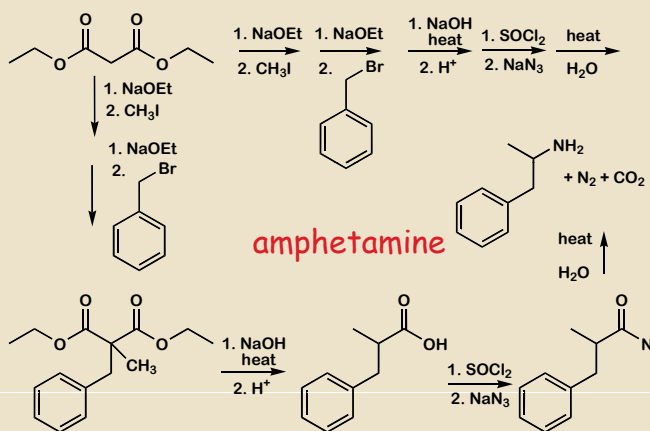


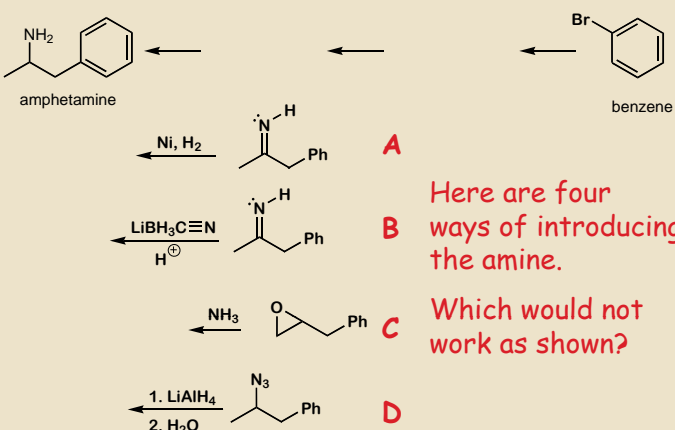
Predict the product of the following sequence



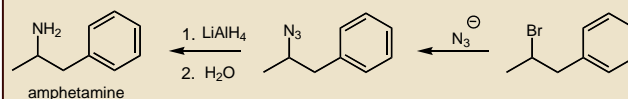
Predict the product of the following sequence



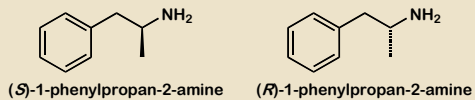
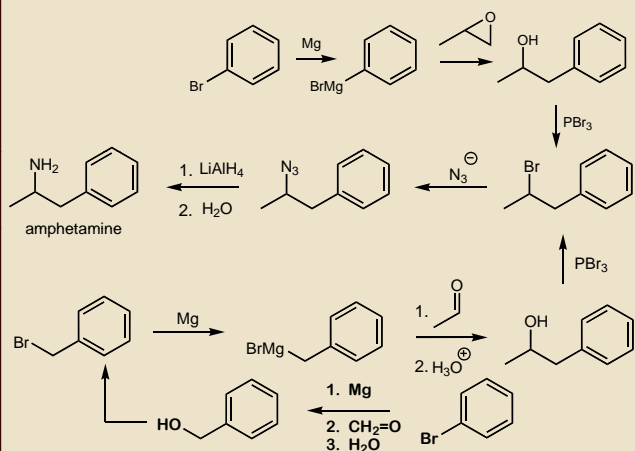
Propose a synthesis of amphetamine from bromobenzene and any other reagents containing four carbon atoms or less.



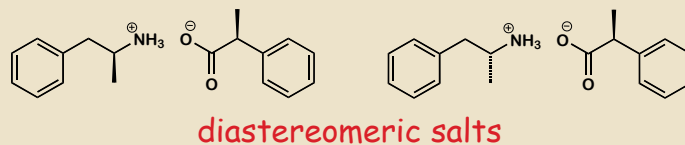
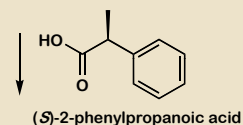
How could amphetamine be prepared from bromobenzene and any necessary reagents?



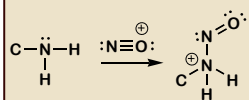
How could amphetamine be prepared from bromobenzene and any necessary reagents?



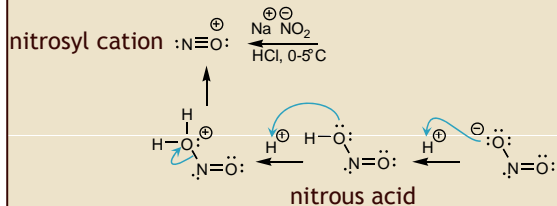
How do you prepare a single enantiomer?



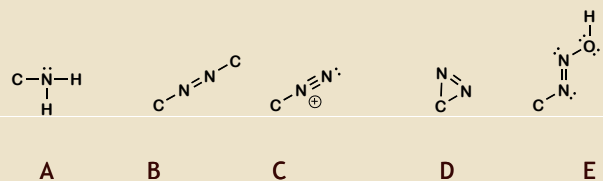
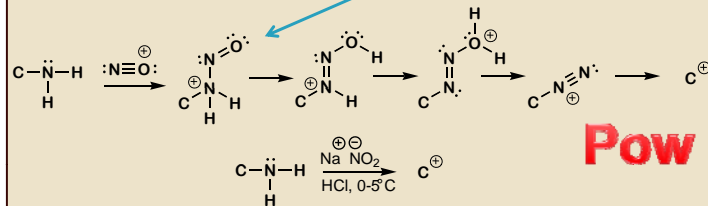
What is the first product formed when the nitrosyl cation reacts with a primary amine?



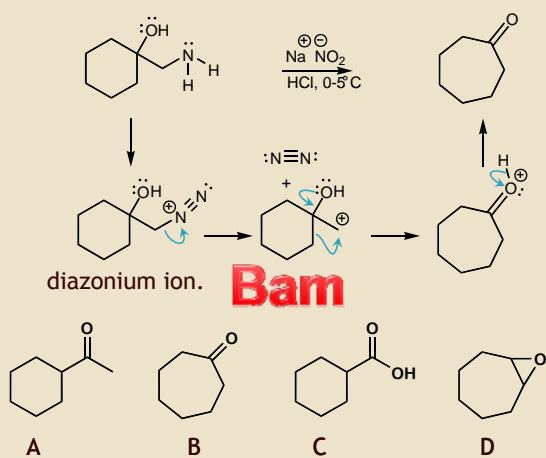
How is the nitrosyl cation prepared?



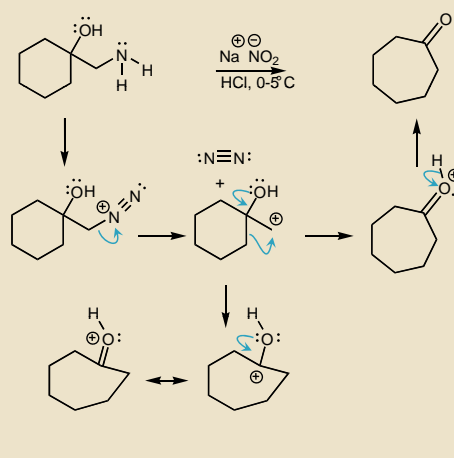
What is the product formed when the nitroso aminium ion loses a molecule of water?



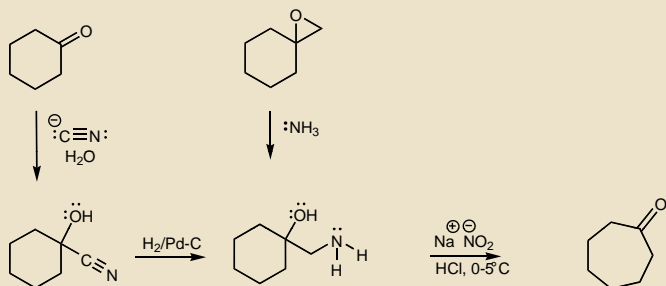
Predict the product of the following reaction



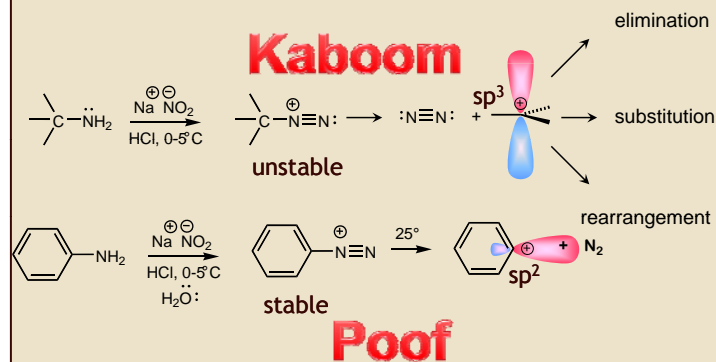
Predict the product of the following reaction



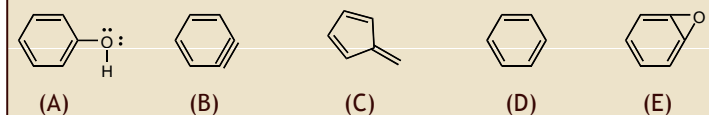
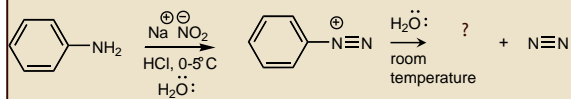
The treatment of some primary amines gives rearranged carbon frameworks. How is the following reaction occurring?



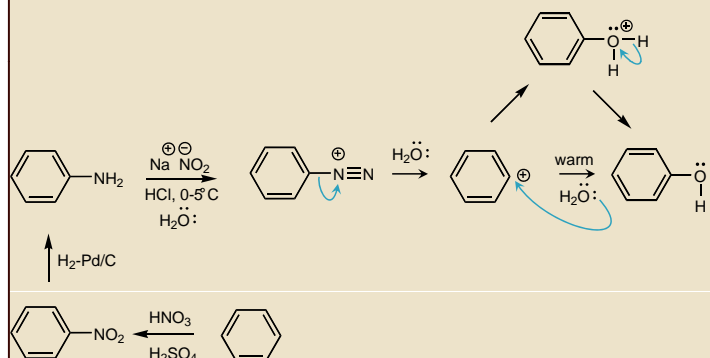
Why are aliphatic diazonium ions less stable than aromatic diazonium ions?



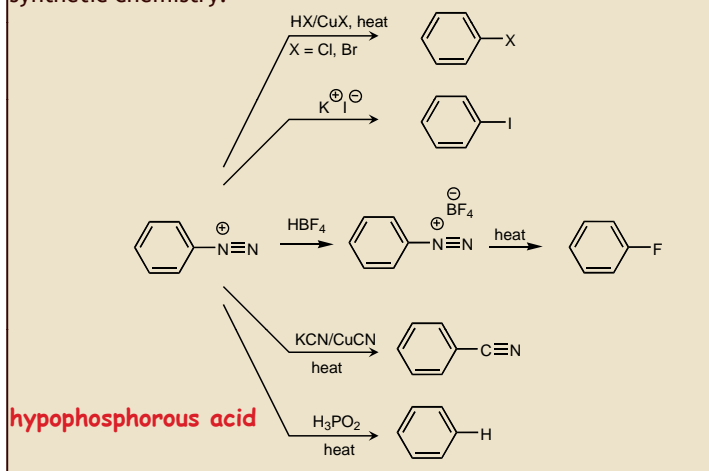
Choose the product isolated when the following diazonium ion is allowed to warm to room temperature.



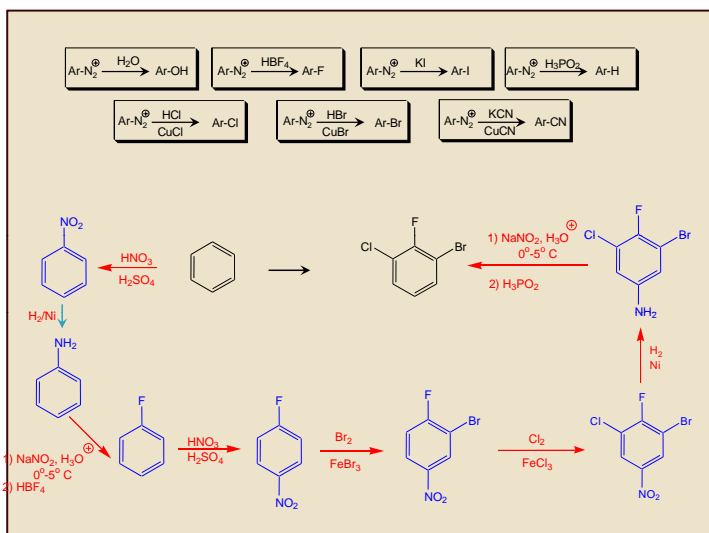
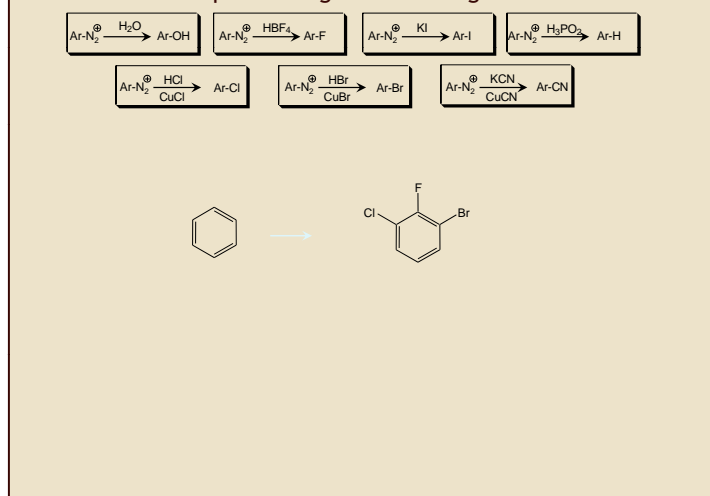
How can phenol be prepared from benzene?



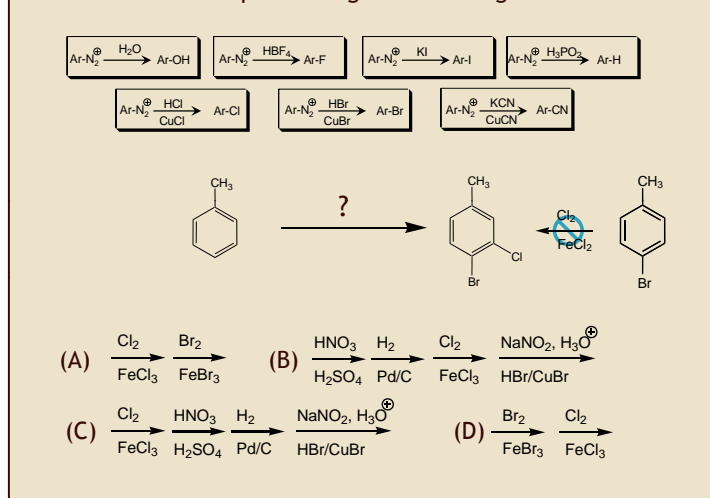
If the carbocation cannot eliminate or rearrange is it useful in synthetic chemistry?



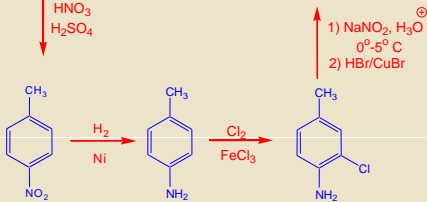
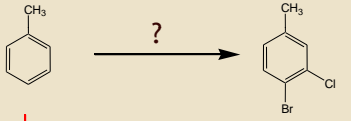
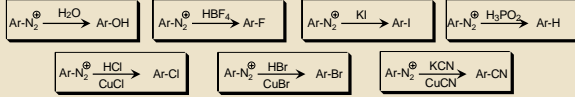
Give a method for performing the following transformation.



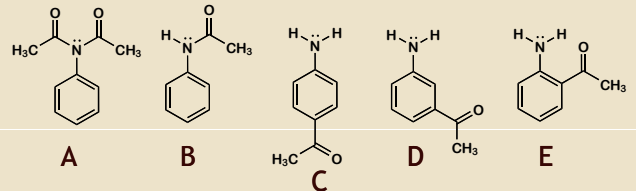
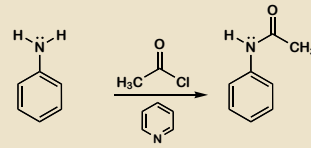
Choose a method for performing the following transformation.



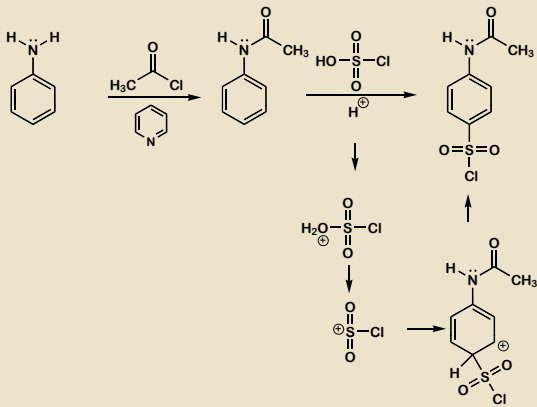
Choose a method for performing the following transformation.



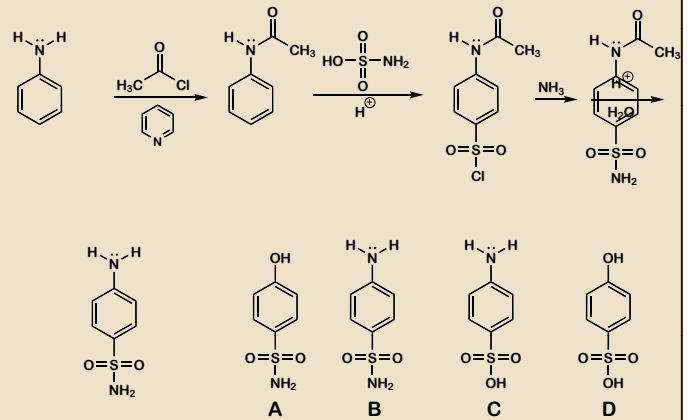
Predict the product of the following reaction.



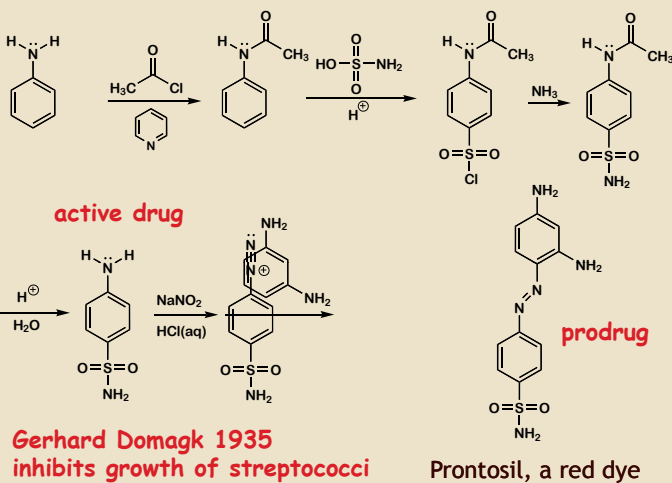
Propose a mechanism for the following reaction.



Predict the product of the following reaction sequence.



Predict the product of the following reaction sequence.



The first commercially available antibiotic

