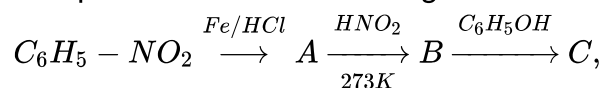
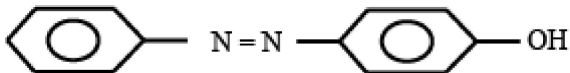
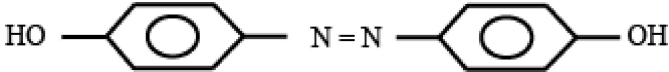
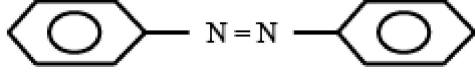



1. The product *C* in the following reaction is

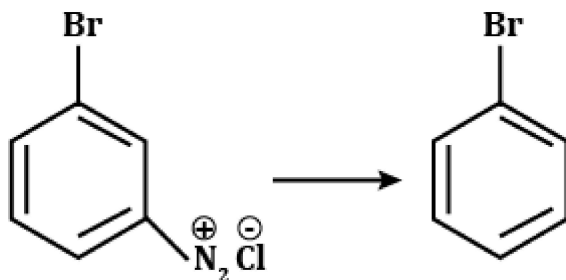


- A. 
- B. 
- C. 
- D. 

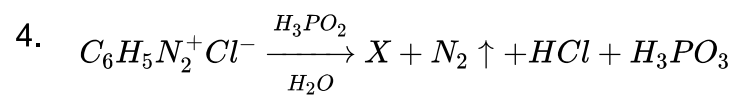
2. Which of the following compounds will not undergo azo coupling reaction with benzene diazonium chloride?

- A. Aniline
- B. Phenol
- C. Nitrobenzene
- D. None of the above

3. For the following transformation, the reagent used is:



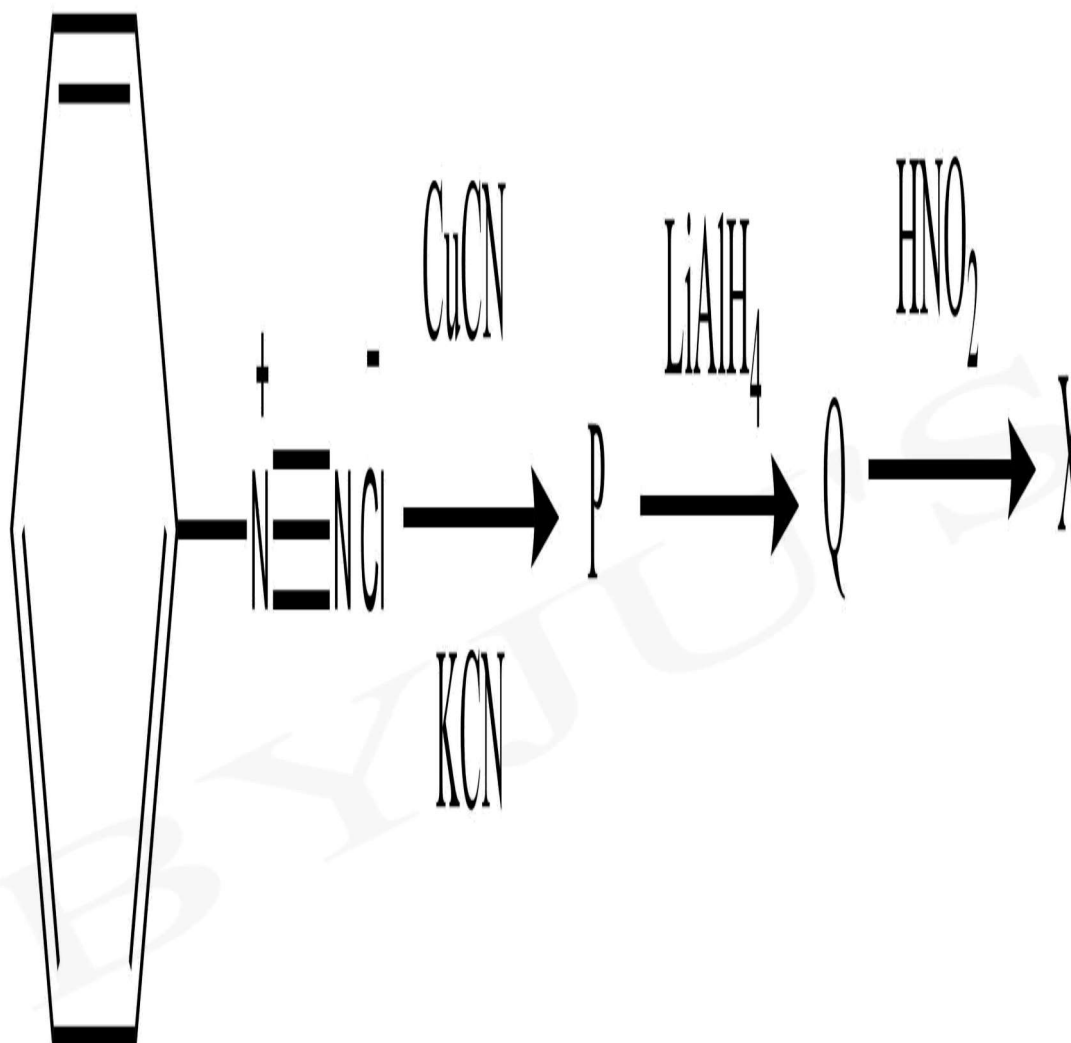
- A.  $LiAlH_4$
- B.  $H_3PO_2$
- C.  $H_3O^+$
- D.  $H_2/Pt$



The compound X is :

- A.  $C_6H_5Cl$
- B.  $C_6H_5NHNH_2$
- C.  $C_6H_6$
- D.  $C_6H_5NO_2$

5. Identify 'X' in the following sequence of reaction:



- A. Benzoic acid
- B. Phenyl acetic acid
- C. Benzyl alcohol
- D. Benzamide