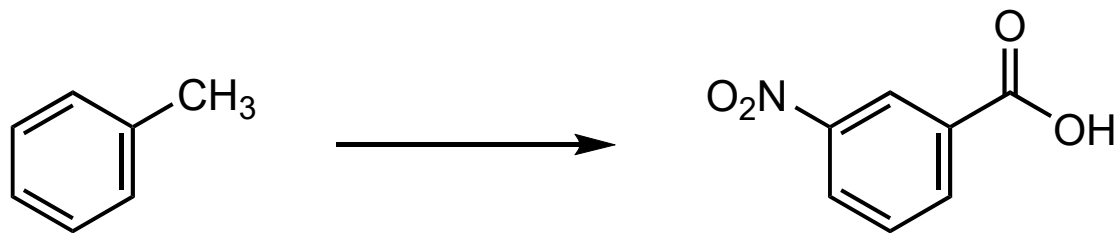


Provide the reagents necessary to transform the given starting material into the desired product.



A) 1) KMnO_4
 H_2O , heat
 2) H_3O^+
 3) HNO_3
 H_2SO_4

B) 1) HNO_3
 H_2SO_4
 2) KMnO_4
 H_2O , heat
 3) H_3O^+

C) 1) KMnO_4
 H_2O , heat
 2) H_3O^+
 3) NaNO_2 , HCl

D) 1) NaNO_2 , HCl
 2) KMnO_4
 H_2O , heat
 3) H_3O^+