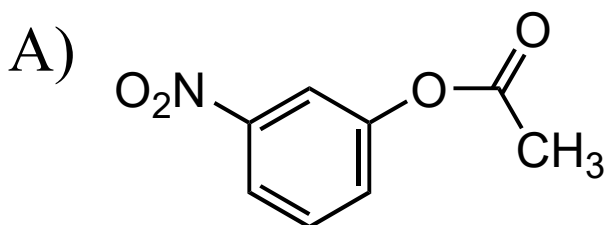
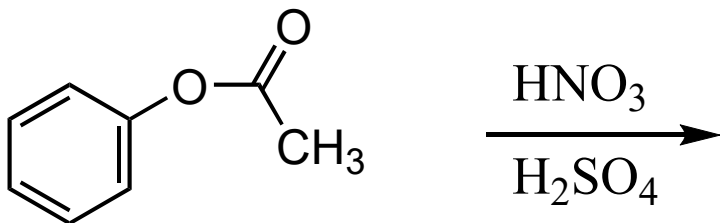
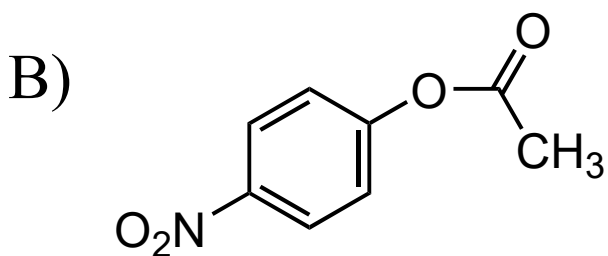


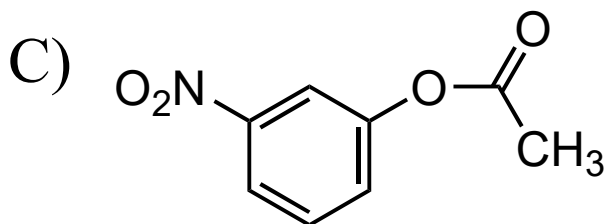
Predict the major product of the following nitration reaction and explain the regiochemistry.



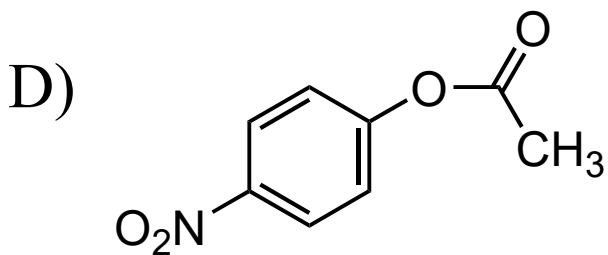
(because  $-\text{NO}_2$  is a meta director)



(because  $-\text{NO}_2$  is an ortho/para director)



(because  $-\text{OAc}$  is a meta director)



(because  $-\text{OAc}$  is an ortho/para director)