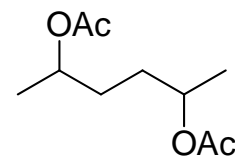
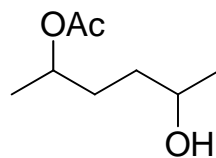


1st 4.673 min
4.728 min

7.910 min

2nd 4.681 min
4.734 min

7.896 min

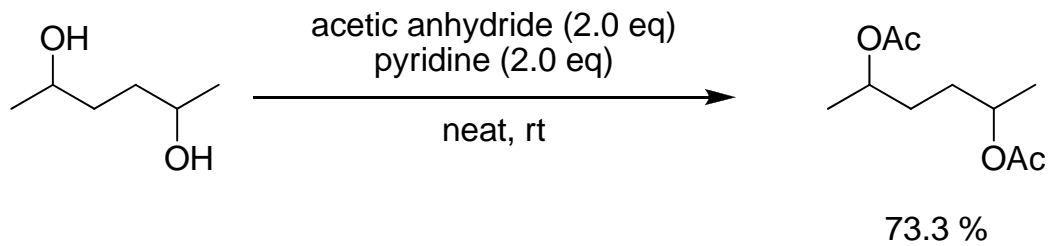


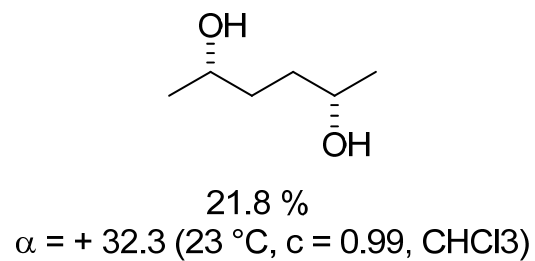
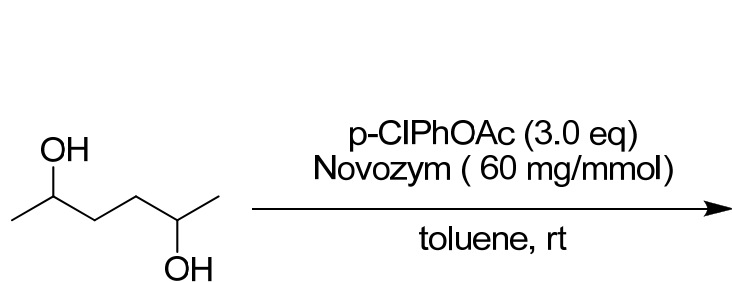
1st 6.536 min

8.259 min

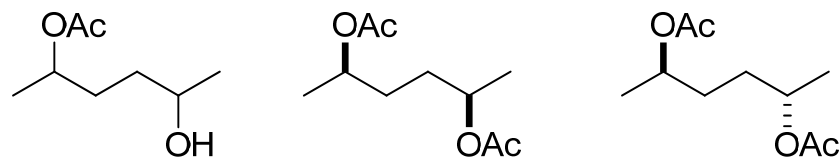
2nd 6.598 min

8.288 min

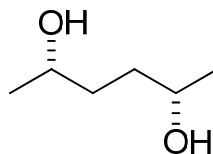




Literature $\alpha = + 35.1$ (20 °C, c = 9.49, CHCl₃)

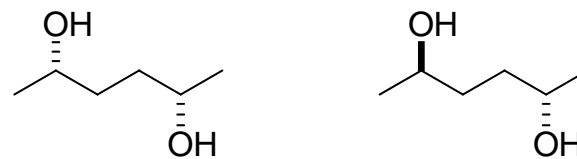
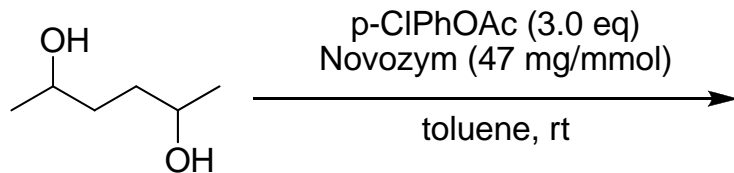


GC ratio = recovered diol : mono acetated : diacetated
 17.1 : 39.5 : 43.4

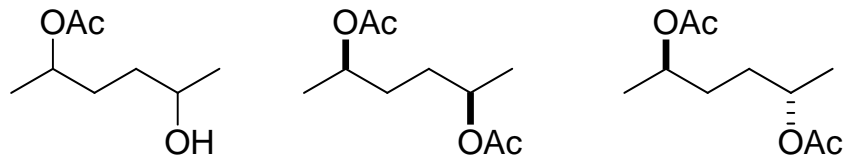


$\alpha = + 34.7$ (20 °C, c = 1.47, CHCl₃)

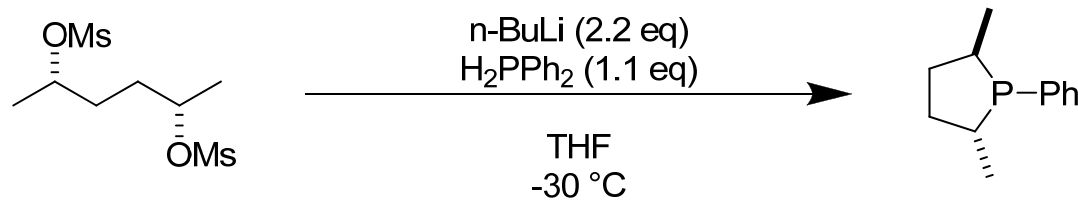
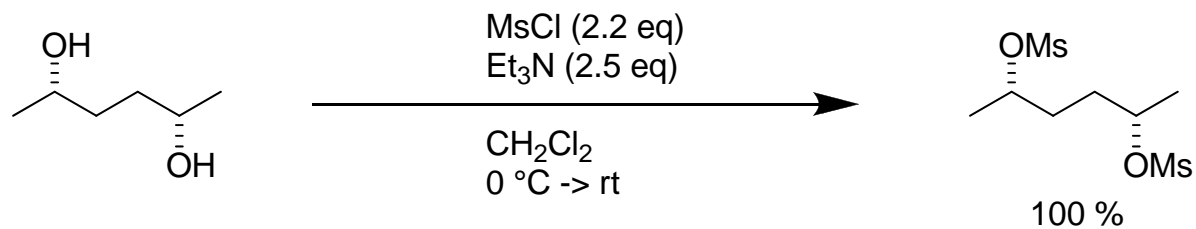
Literature $\alpha = + 35.1$ (20 °C, c = 9.49, CHCl₃)



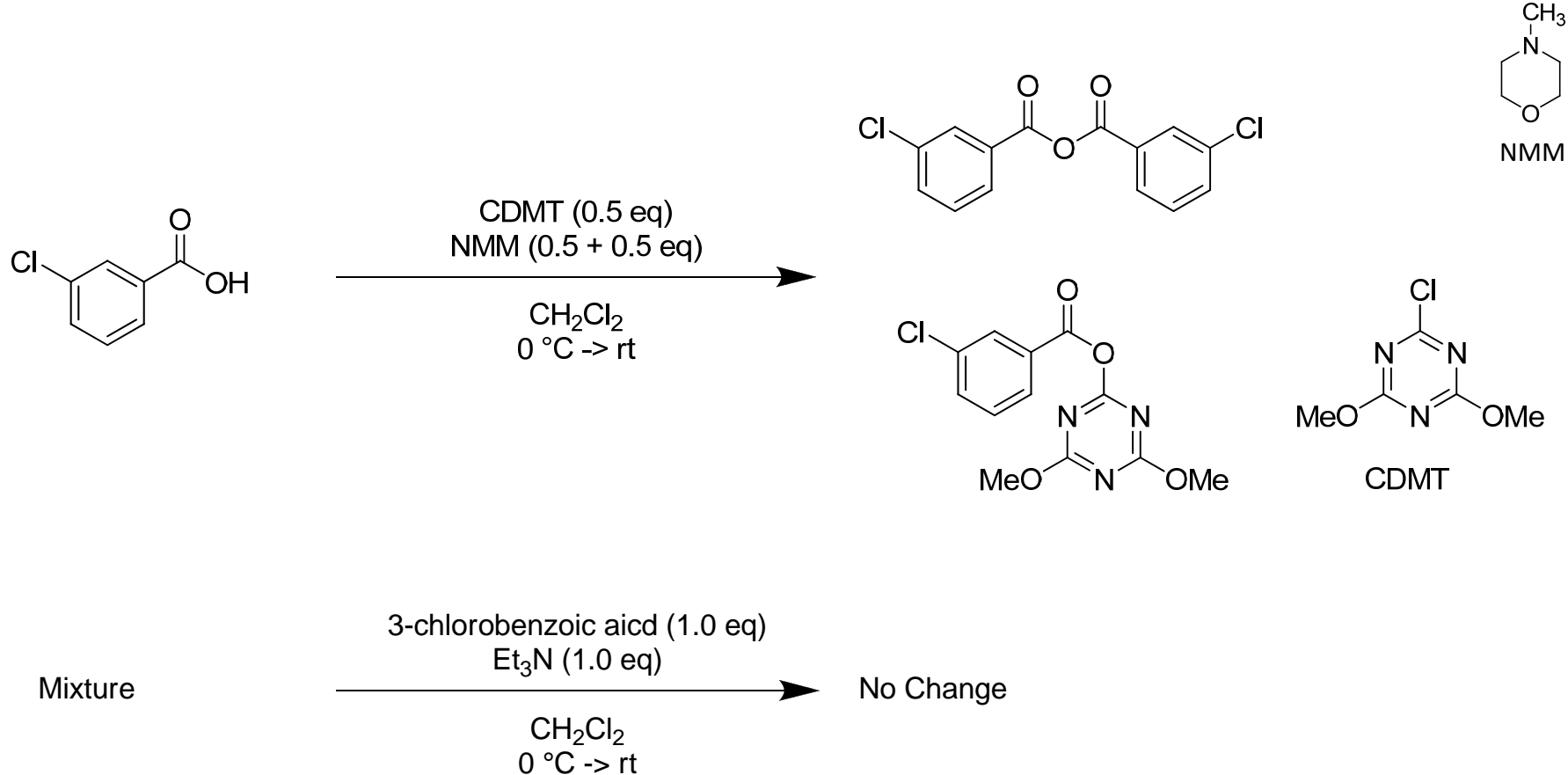
diol is not pure. It contains meso.



GC ratio = recovered diol : mono acetated : diacetated
18.1 : 39.1 : 42.8



micro scale distillation using Hickman-Hinkle apparatus
(124 °C, 2.0 torr)



The mixture was dissolved in hexane and filtered: solid contained 3-chlorobenzoyl chloride but it was not pure.

The mixture was dissolved in pentane and filtered: solid contained 3-chlorobenzoyl chloride but it was not pure.