CH 2211

Prepare

CH 20

1. Prepare butanoic acid from 1-propene
2. Prepare a mixture of propanoyl chloride and butanoyl chloride from 3-heptene
3. Prepare 3-chlorobenzoic acid from benzene
4. Prepare a mixture of acetic acid and propanoic acid from 2-pentene (you can’t use KMnO4 !!)
5. Prepare n-propyl amine from propanamide
6. Prepare 1-cyclopentylethanone from bromocyclopentane
7. Prepare 2-methylbutanoic acid from 2-chlorobutane
8. Prepare butyl propyl ether from butanoic acid