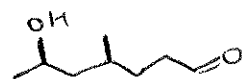
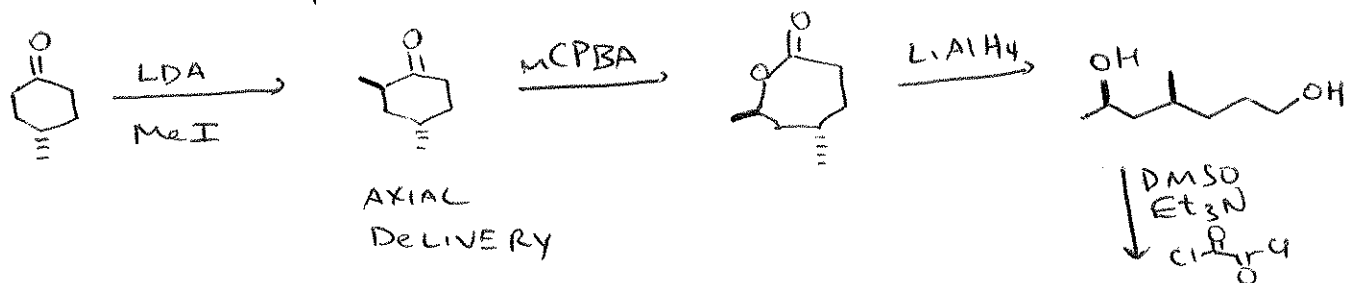
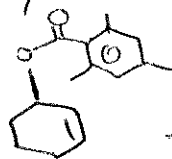
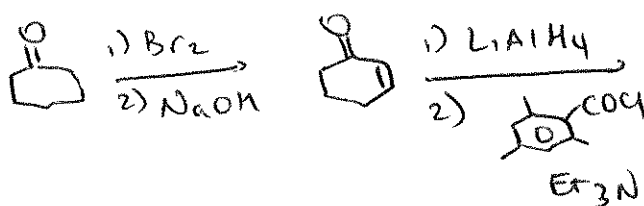


from 4-methylcyclohexanone

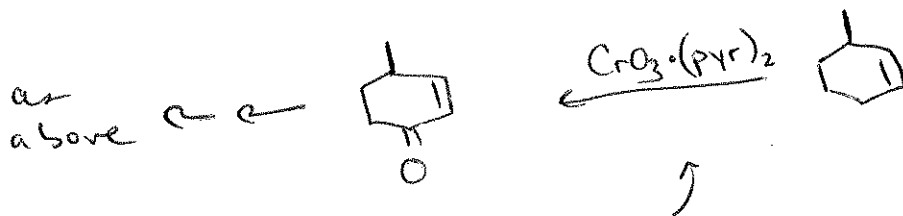


selective oxid.
of 1° alcohol

OK - I meant to ask the question
starting from 4-methylcyclohexanone;
but here is a synthesis from cyclohexanone

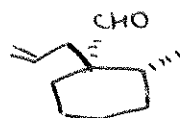


MeMgI
(Goering
JOC 1986
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as
above

Hirano
J. Chem. Soc. Perkin 2
1985 1105



AXIAL Delivery.

