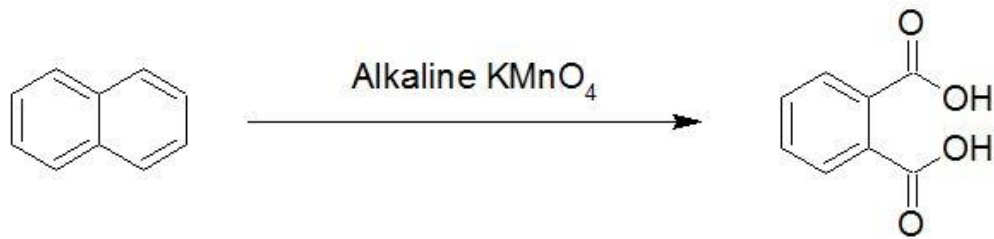


Naphthalene

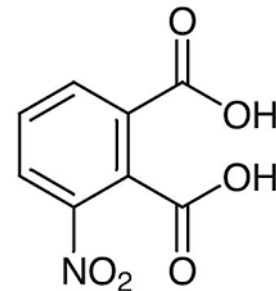
1. Molecular Formula: $C_{10}H_8$
2. Oxidation



Phthalic acid

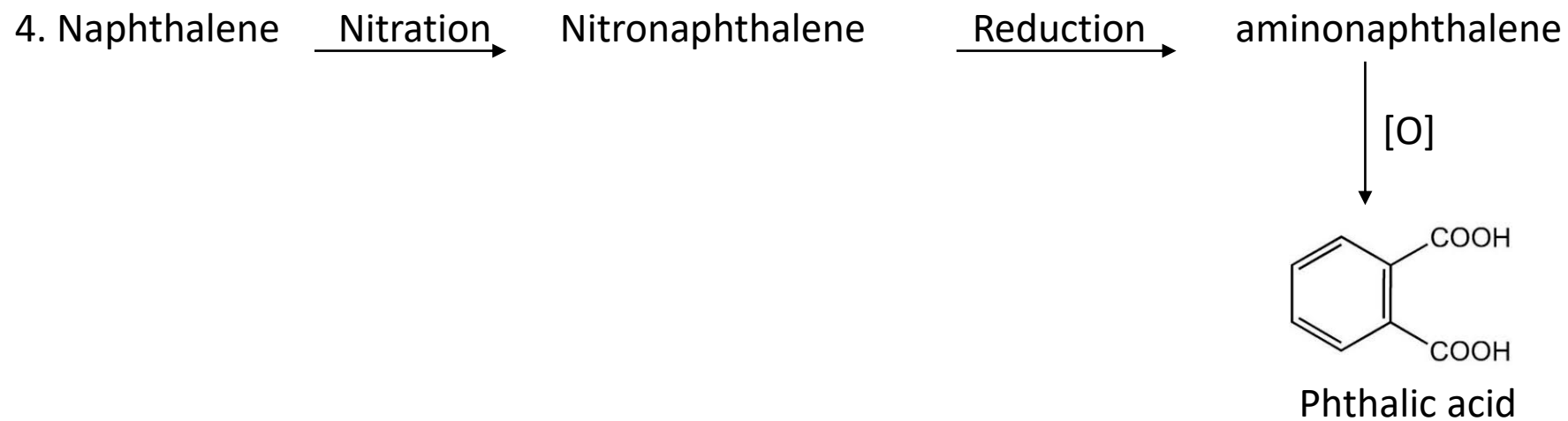
So naphthalene contain the skeleton like Phthalic acid

3. Naphthalene Nitration Nitronaphthalene Oxidation



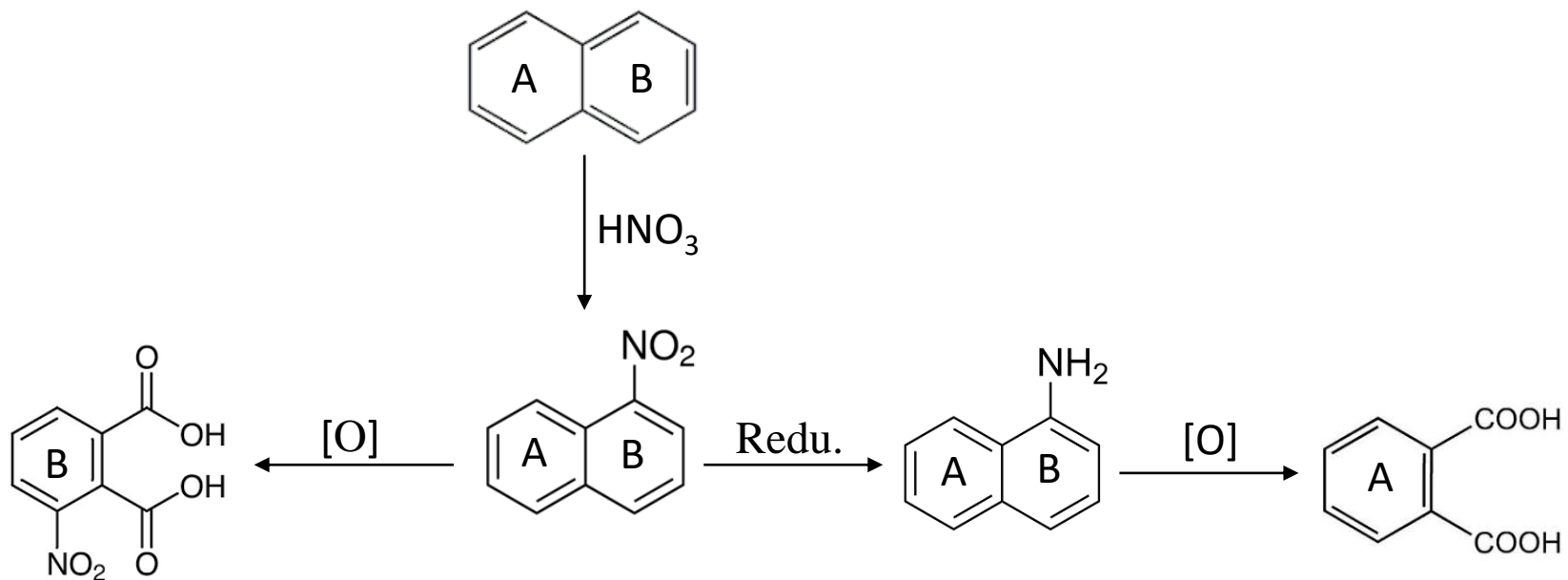
Nitro-phthalic acid

So nitro group is present in benzene ring



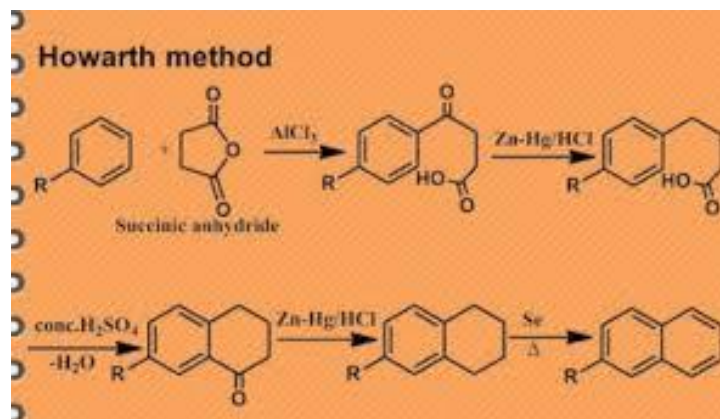
The benzene ring in phthalic acid produced by oxidation of aminonaphthalene is not the same ring is that obtained by oxidation of nitronaphthalene.

i.e. Naphthalene contains two benzene rings and we can explain this by this equation

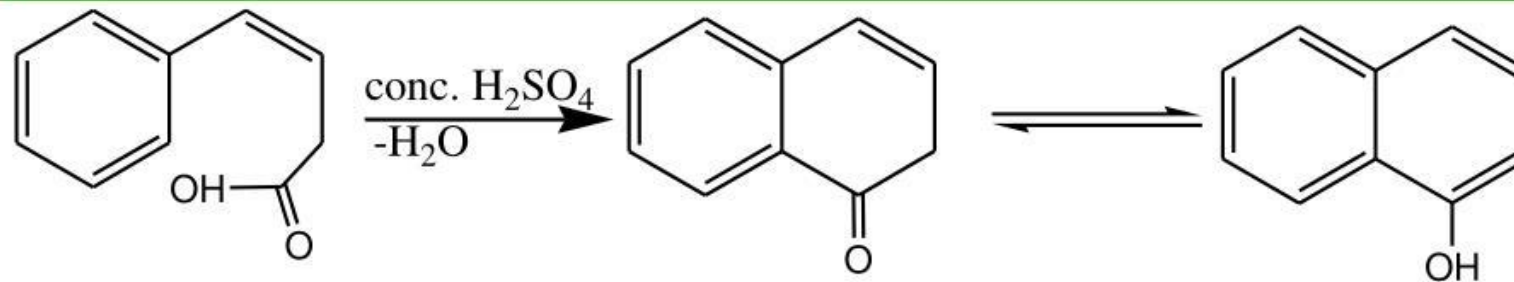


The structure of naphthalene is confirmed by method of its analysis.

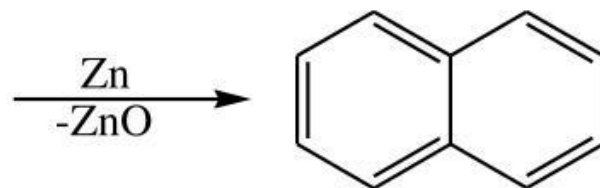
1- Howarth method



2- From β -benzylidene – propenoic acid



β -Benzylidene-3-propenoic acid



naphthalene