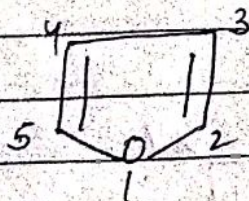
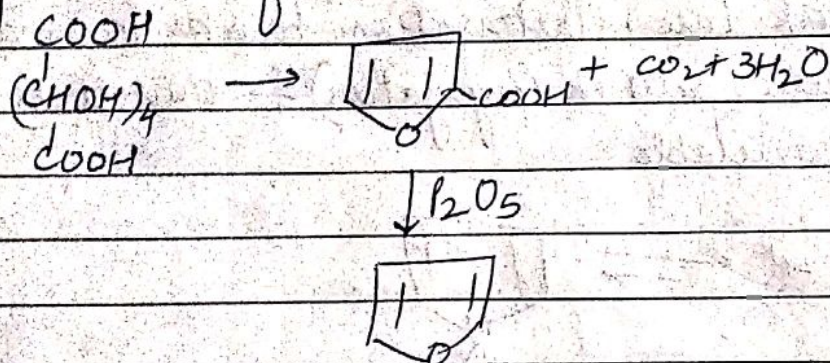


Furans

Furan contains one oxygen atom in its ring, and its structure is

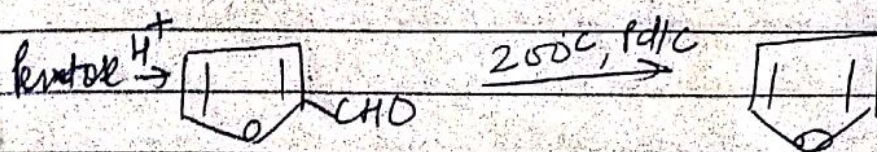
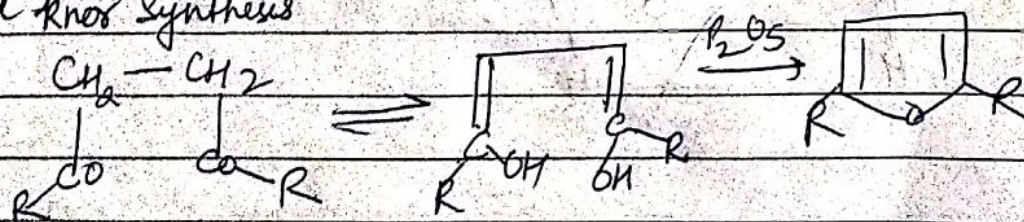


Furan is obtained when wood especially pine-wood is distilled. It may be prepared by the dry distillation of mucic acid, and heating the product furic acid.



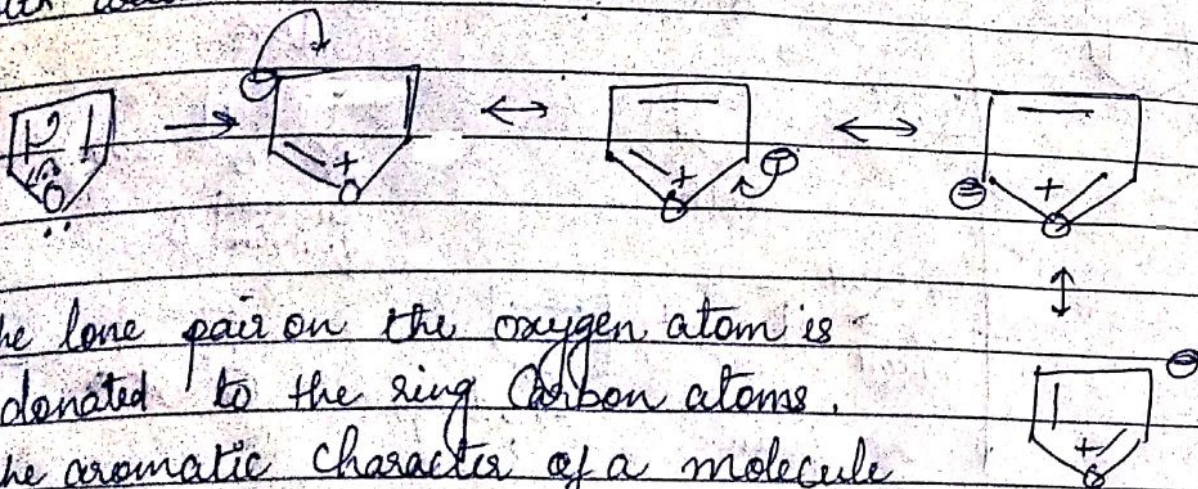
A general method of preparing furan derivatives is to dehydrate 1:4 diketone or dialdehyde with P_2O_5

Paal Knorr Synthesis



Furan is a Colourless liq with Boiling point 32°C . It possesses a chloroform like odour and is soluble in most organic solvents but is only slightly miscible.

with water



Reactions

