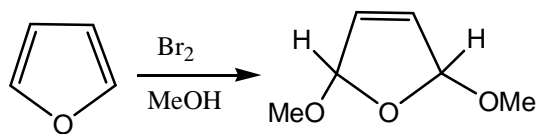
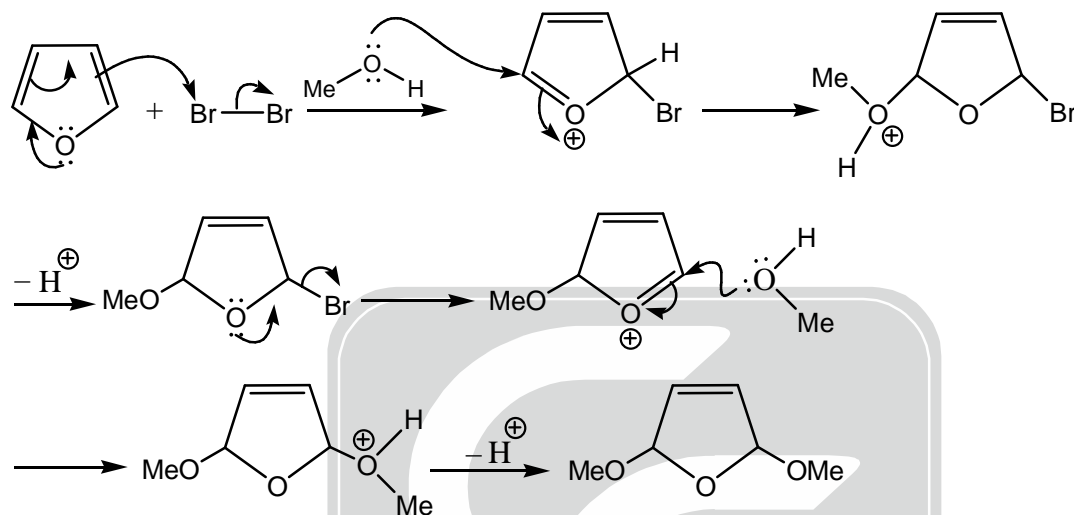
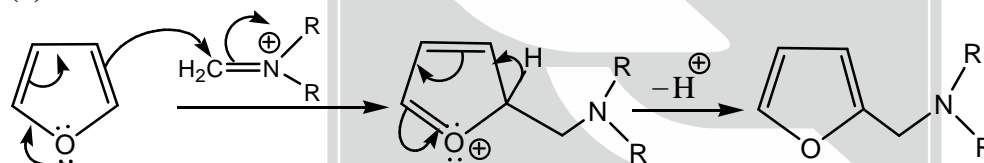
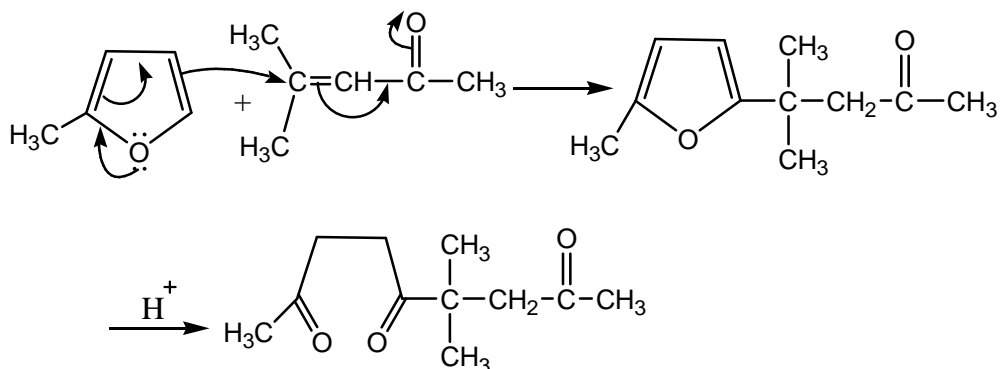
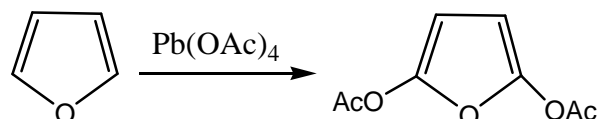


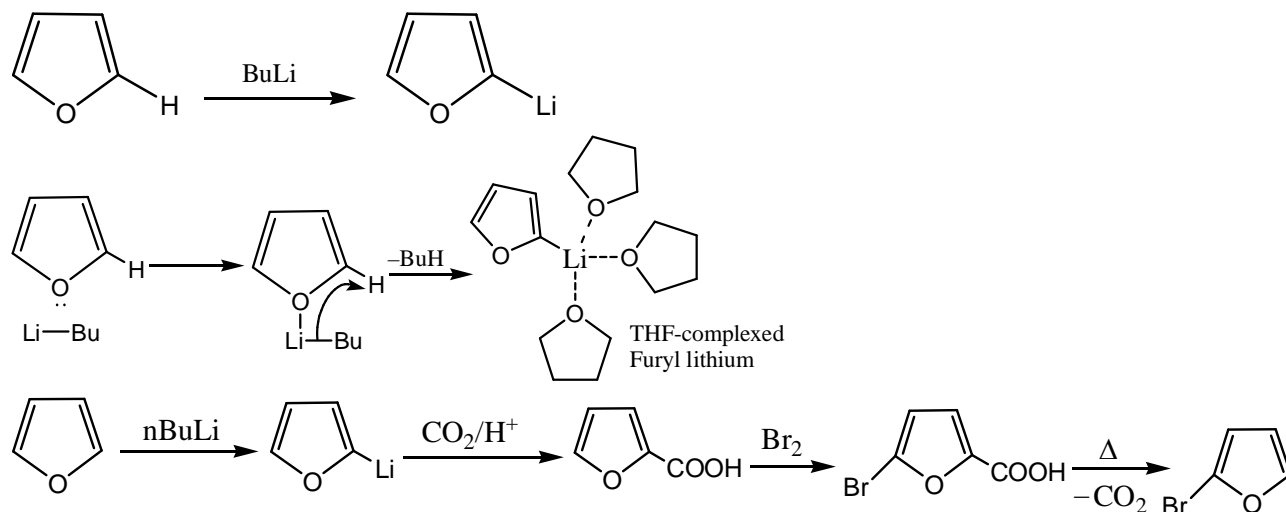
(2) Reaction of Br₂/MeOH:

- Furan is not very aromatic and if there is the prospect of forming stable bond such as C–O single bonds by additions
- This may be preferred to substitution.

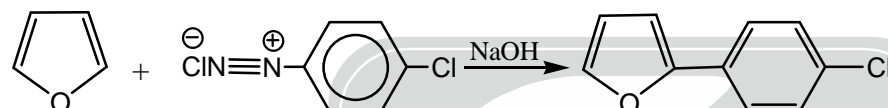


bromination must start in the usual way but a molecule of methanol captures the first formed cation in a 1, 4-addition to furan.

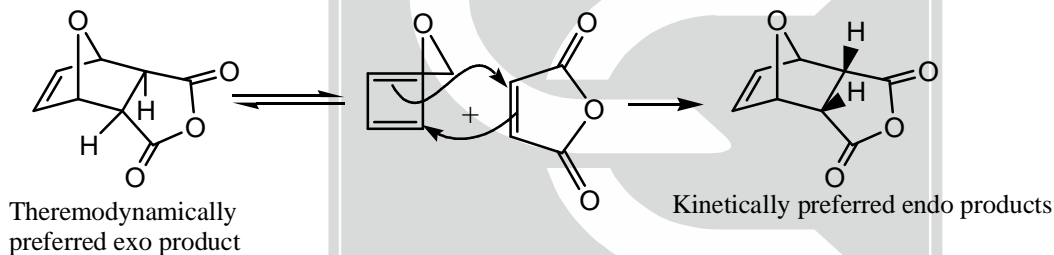
**(3) Mannich reaction:****(4) Michael addition:****(5) Reaction with Pb(OAc)₄:**

(6) Lithiation of furan:

This method is used indirectly for Bromination of furan.

(7) Reaction with diazonium salt:**(8) Diels Alder reaction:**

Furan is particularly good at Diels Alder reaction but it gives thermodynamic product, the exo adduct because with this aromatic diene the reaction is reversible.

**SOLVED PROBLEMS**