

**B.Sc. Semester-VI
Organic Chemistry
Paper-XIV**

3. Heterocyclic Compounds

Special Coverage:

12. Skraup Quinoline Synthesis : Mechanism and Examples

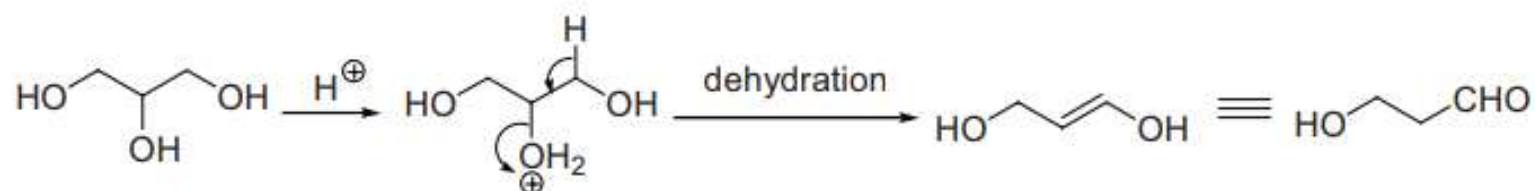
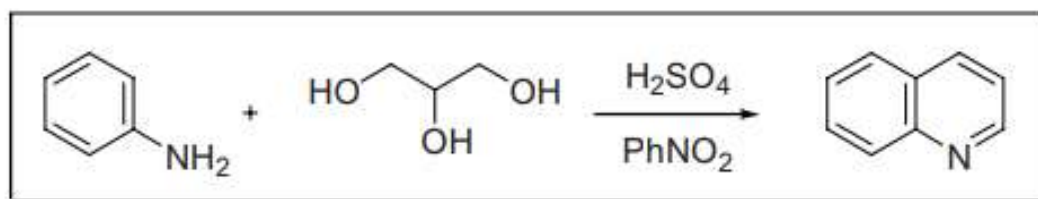


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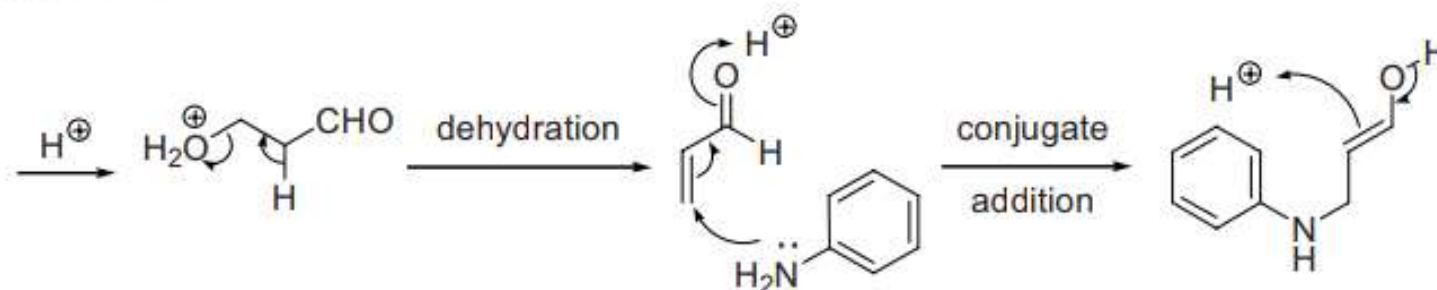
Skraup Quinoline Synthesis : Mechanism and Examples

Mechanism

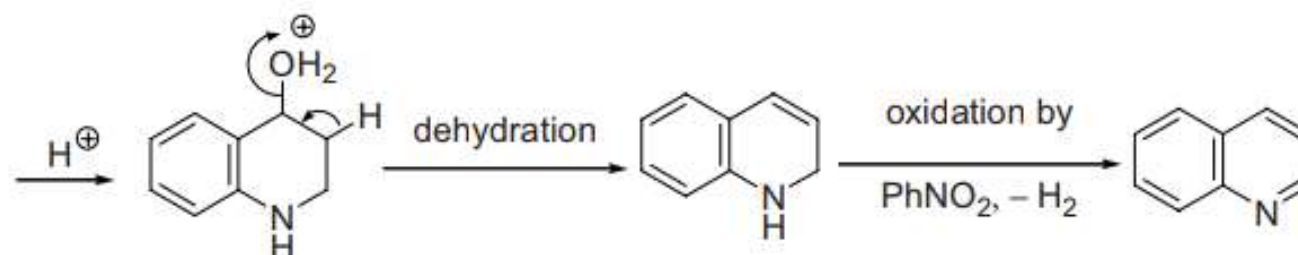
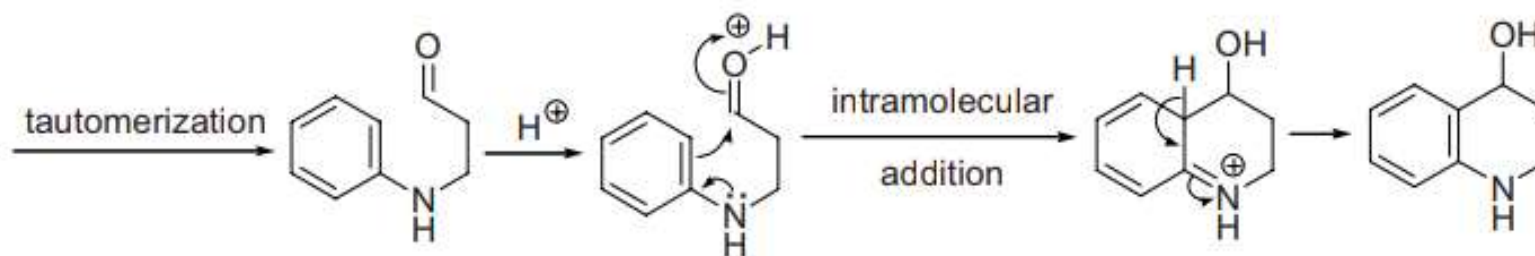
Quinoline from aniline, glycerol, sulfuric acid and oxidizing agent (e.g. PhNO₂).



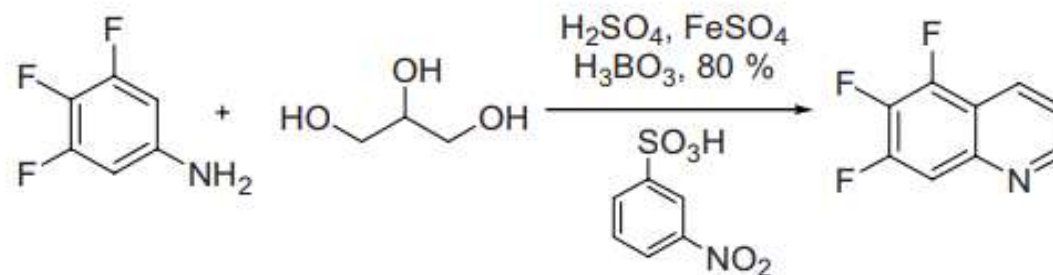
glycerol



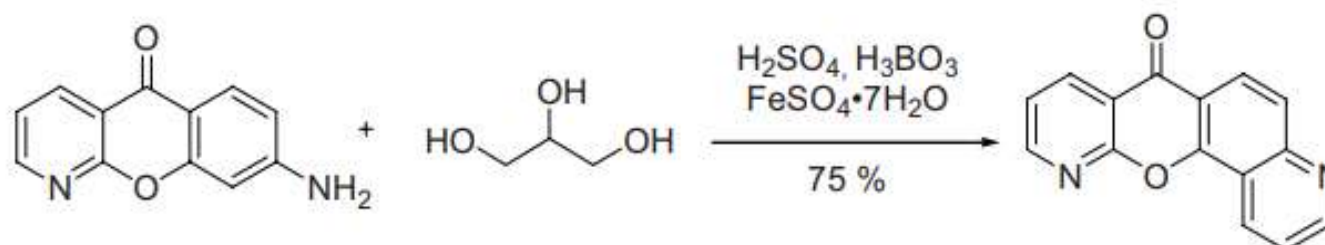
acrolein



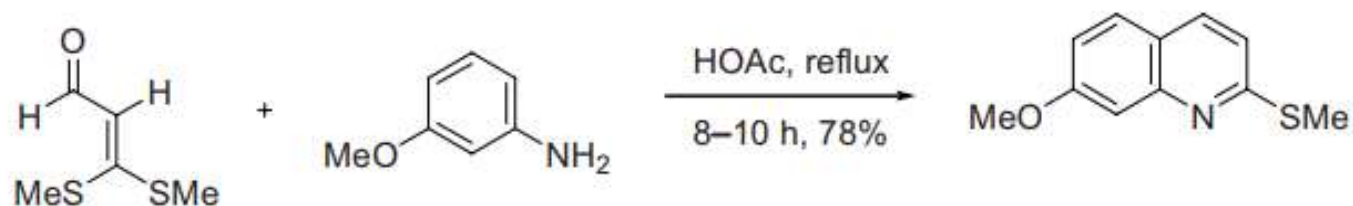
Example 1⁵



Example 2⁶



Example 3, A modified Skraup quinoline synthesis⁸



References

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THANK YOU