

**M.Sc. Semester-IV
Core Course-9 (CC-9)
Synthetic Organic Chemistry**



III. Photochemistry

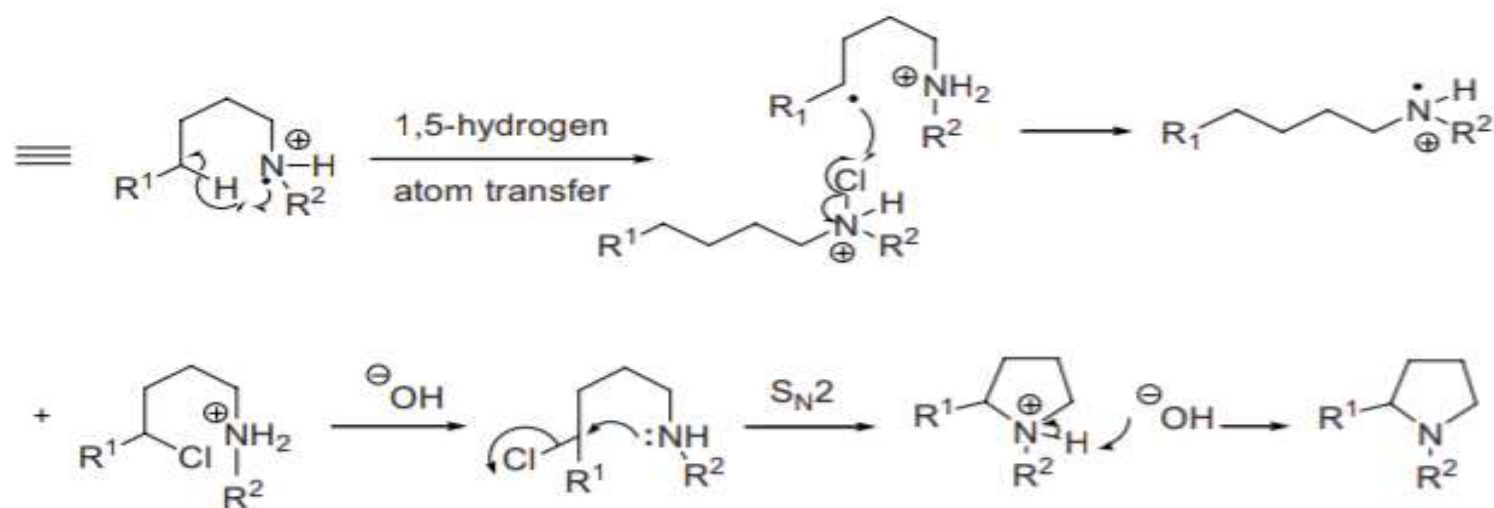
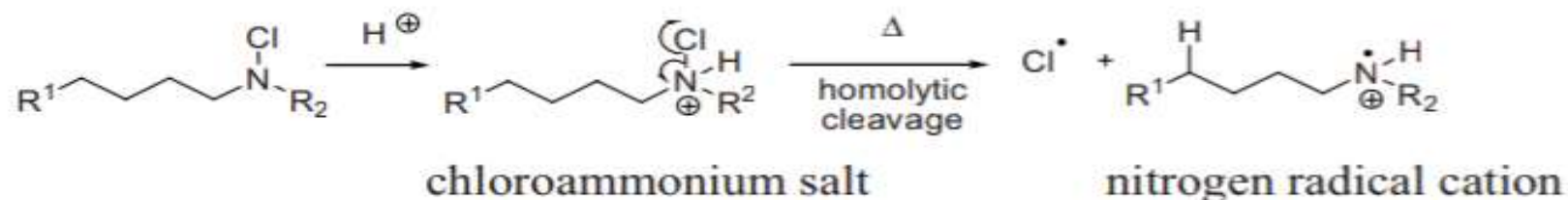
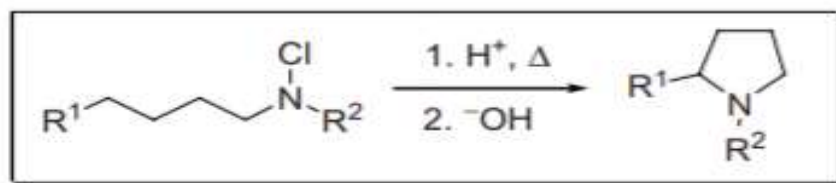
20. Hofmann-Löffler-Freytag Reaction : Mechanism and Examples



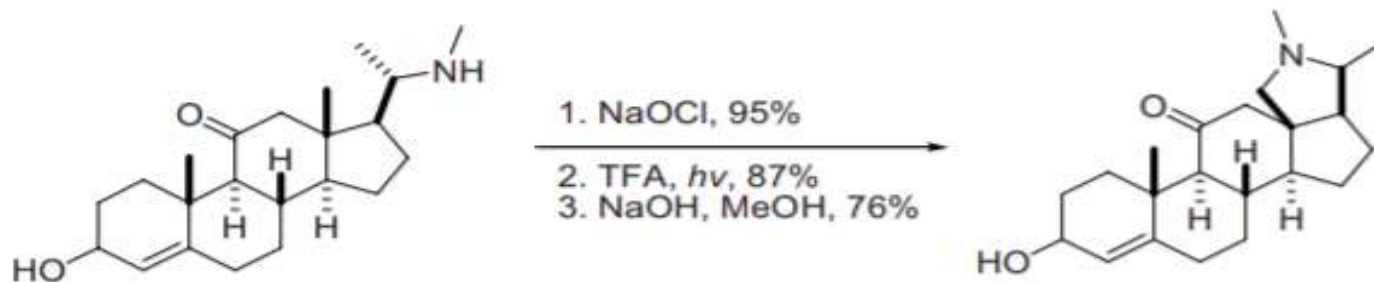
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Hofmann-Löffler-Freytag reaction

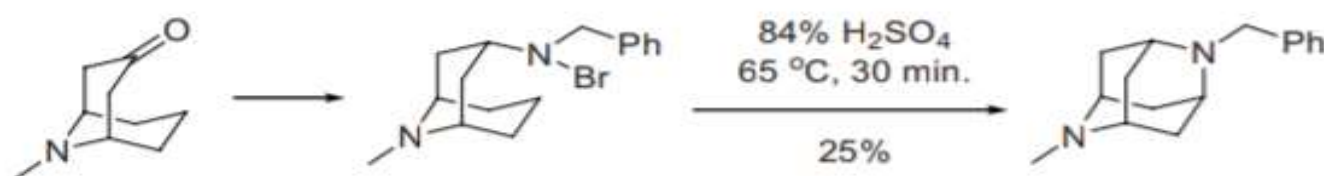
Formation of pyrrolidines or piperidines by thermal or photochemical decomposition of protonated *N*-haloamines.



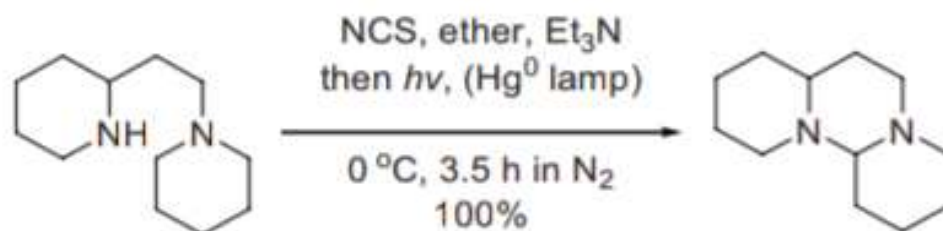
Example 1²



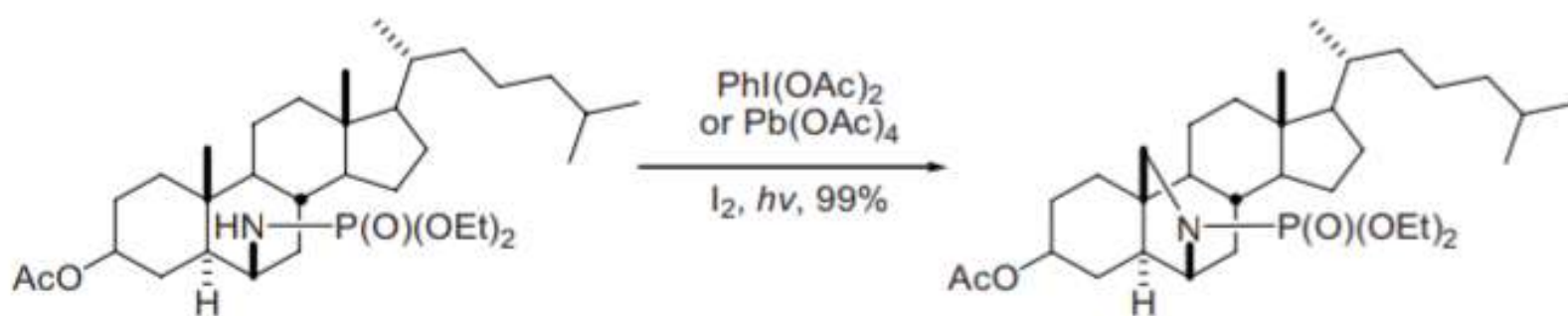
Example 2⁴



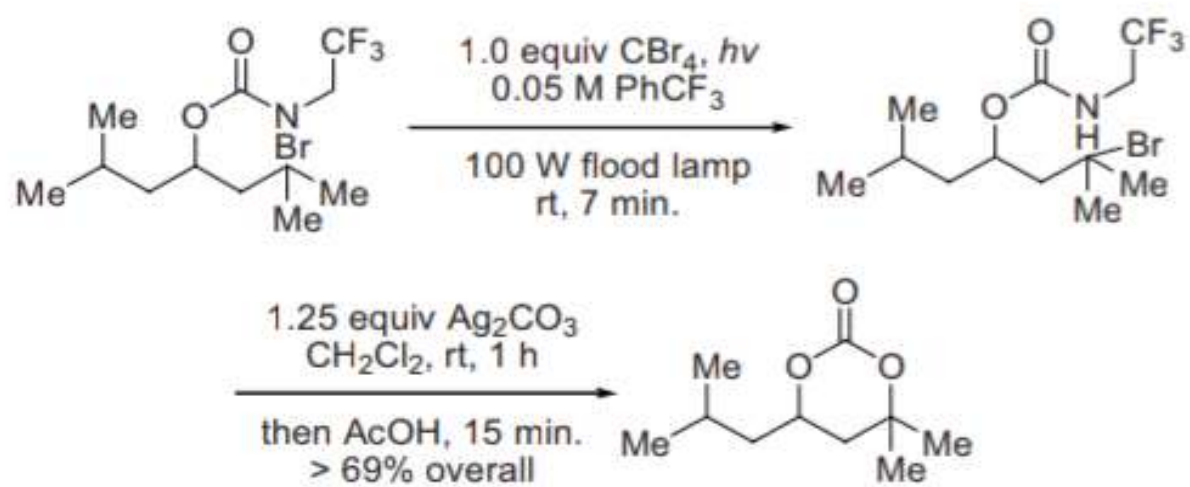
Example 3⁵



Example 4⁷



Example 5¹²



References

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