

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



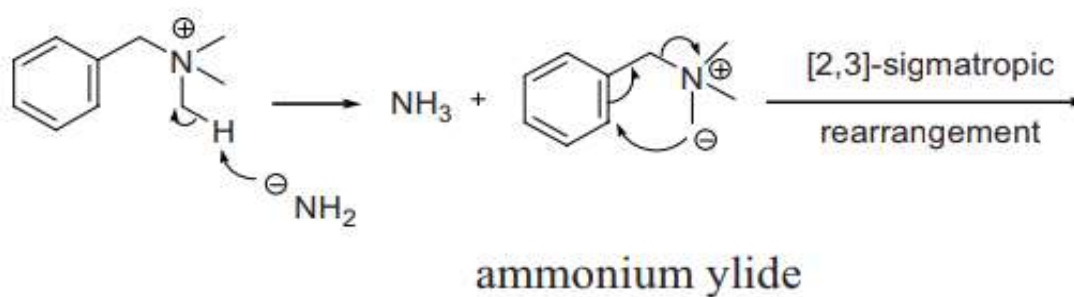
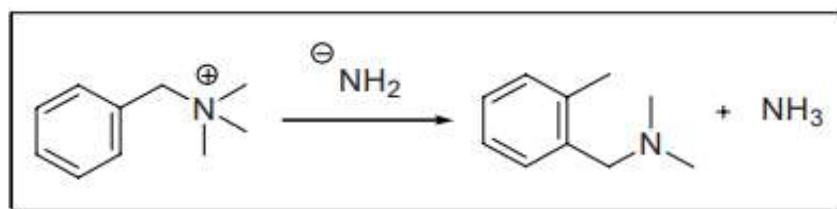
**II. Pericyclic Reactions**  
**9. Sommelet-Hauser Rearrangement**



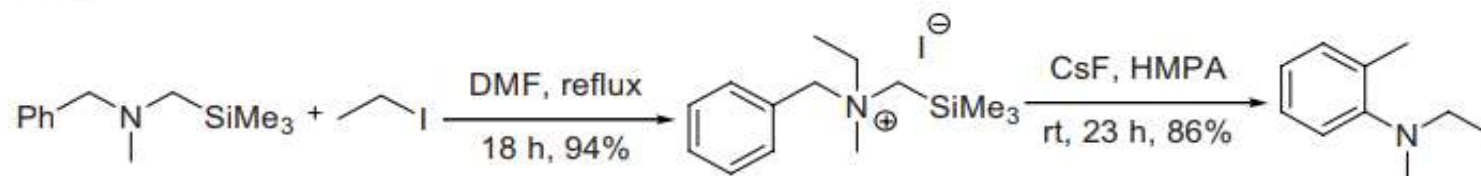
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## Sommelet–Hauser rearrangement

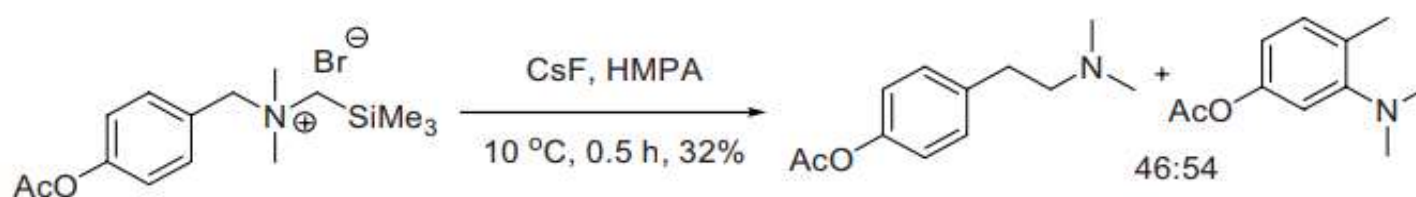
[2,3]-Wittig rearrangement of benzylic quaternary ammonium salts upon treatment with alkali metal amides *via* the ammonium ylide intermediates.



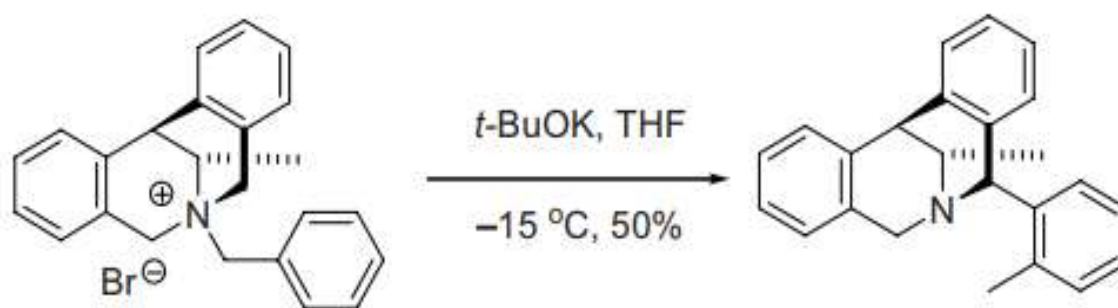
### Example 1<sup>3</sup>



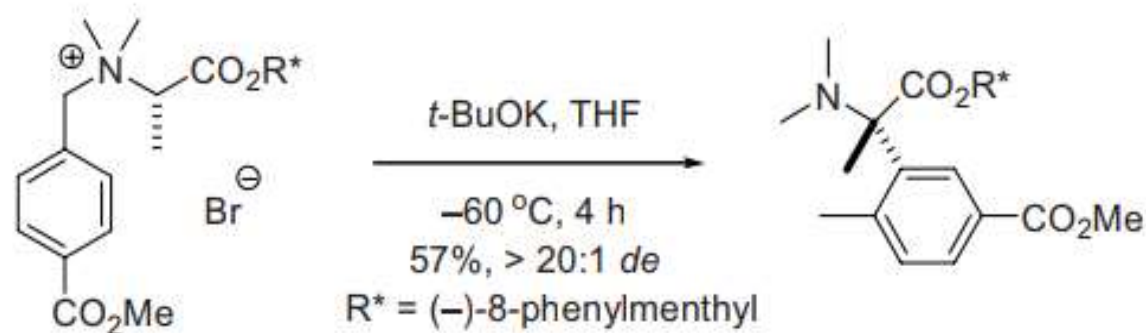
### Example 2<sup>4</sup>



### Example 3<sup>8</sup>



### Example 4<sup>10</sup>



### References

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