



## Reaction Searching Questions

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### Practice questions #1-3

1. What is the structure of Aleve? What is its CAS Registry Number?
2. What has been reported in the patent literature since 2000 regarding the Wittig reaction? How many references cite multiple reactions?
3. Locate reactions in which sulfides are converted to sulfones.



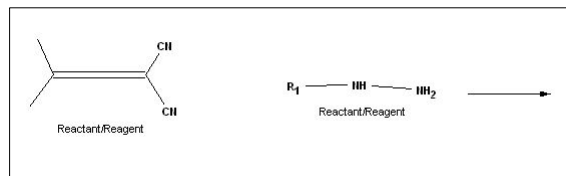
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## Practice question #4

- What type of products have been formed from the reaction of the following two starting materials?



R1 = May be a ring/chain except hydrogen



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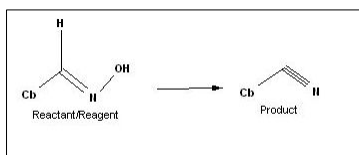
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## Practice question #5

- Locate reactions for carrying out the following transformation:



Restrict the results to single step reactions with yields greater than 60%

Utilize Zinc oxide (ZnO) and Acetyl Chloride (AcCl) as catalysts



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