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## **SYNFACTS** **Highlights in** **Current Synthetic** **Organic Chemistry**

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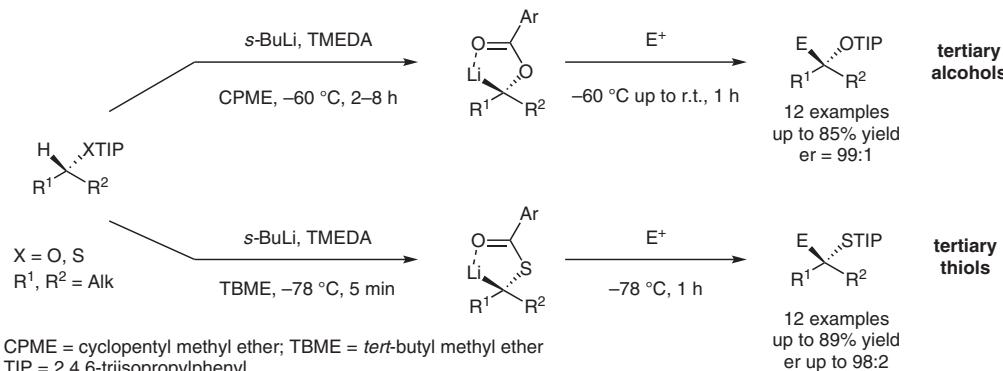
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Rüdigerstraße 14  
70469 Stuttgart  
ISSN 1861-1958

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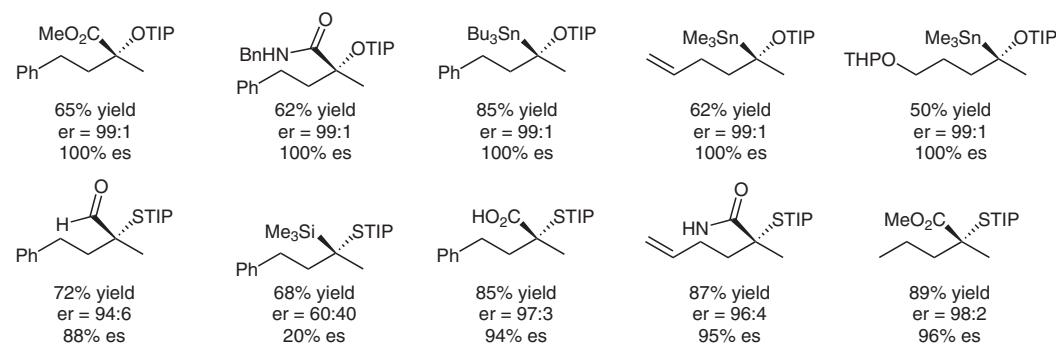


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# Asymmetric Synthesis of Tertiary Alcohols and Thiols



**Selected examples:**



**Significance:** Aggarwal and co-workers developed an asymmetric synthesis of tertiary alcohols or thiols via nonstabilized tertiary  $\alpha$ -oxy- or  $\alpha$ -thio-substituted organolithium species.

**Comment:** Key to success for the configurational stability was the use of less-coordinating solvents together with TMEDA to enable deprotonation and, in the case of  $\alpha$ -S-organolithium species, short reaction times.