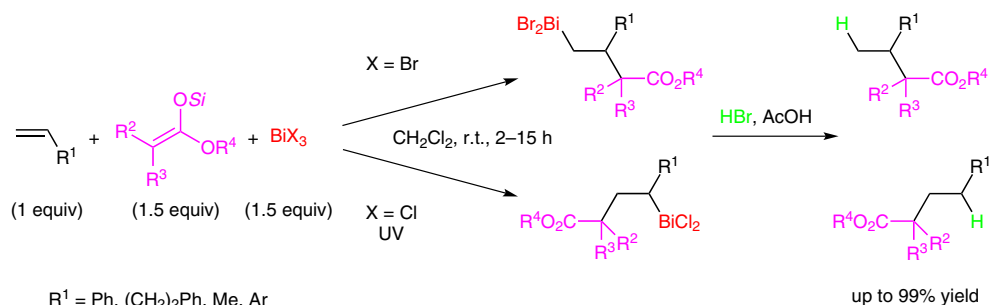


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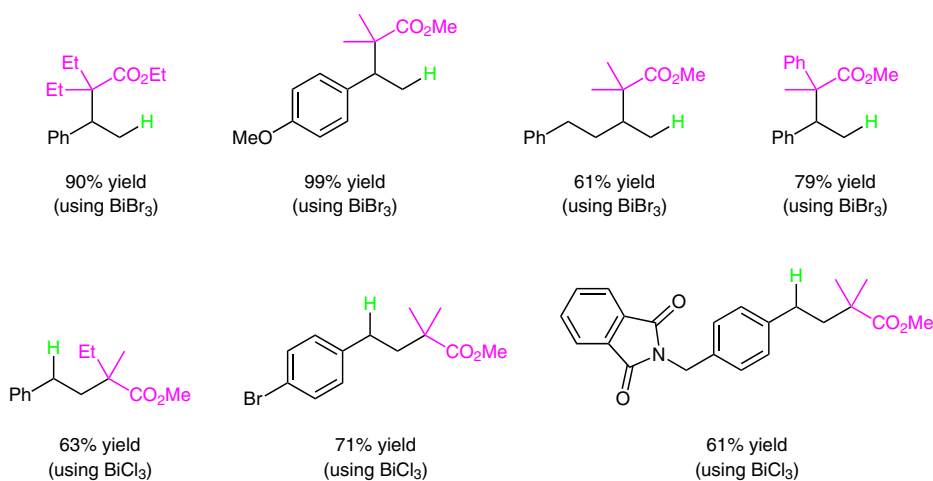
Synthesis of Alkylbismuths by Regiodivergent Carbobismuthination of Simple Alkenes

*Chem. Eur. J.* **2013**, *19*, 14411–14415.

# Bismuth-Mediated Switchable Regioselective Carbometalation



## Selected examples:



**Significance:** Baba and co-workers report a novel carbobismuthination reaction of alkenes using bismuth trihalides and ketene silyl acetals. Furthermore, in this protocol, the first switch in regioselectivity of the carbometalation using  $\text{BiCl}_3$  instead of  $\text{BiBr}_3$  is reported.

**Comment:** The resultant alkylbismuth compounds react with a range of reagents in order to give functionalized aliphatics. Therefore, reaction with *N*-bromosuccinimide furnishes the bromide, reaction with AIBN and  $\text{PhSSPh}$  introduces a thiophenyl group, and  $\text{PhI}(\text{OAc})_2$  in combination with  $\text{TMSOAc}$  gives the acetate.

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