**Bismuth-Mediated Switchable Regioselective Carbometalation**

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**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 BiCl$_3$ instead of 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 PhSSPh introduces a thio phenyl group, and PhI(OAc)$_2$ in combination with TMSOAc gives the acetate.

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**Selected examples:**

- **90% yield** (using BiBr$_3$)
- **99% yield** (using BiBr$_3$)
- **61% yield** (using BiBr$_3$)
- **79% yield** (using BiBr$_3$)

- **63% yield** (using BiCl$_3$)
- **71% yield** (using BiCl$_3$)
- **61% yield** (using BiCl$_3$)

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