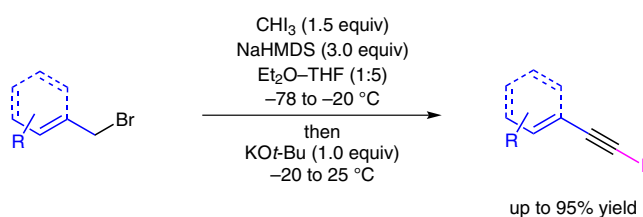


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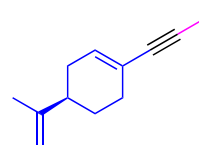
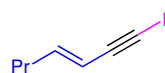
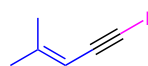
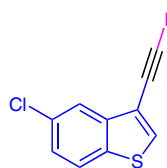
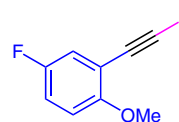
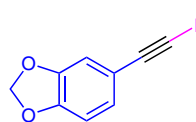
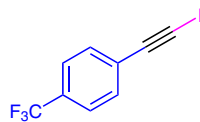
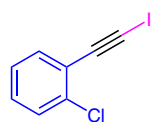
One-Pot Synthesis of 1-Iodoalkynes and Trisubstituted Alkenes from Benzylic and Allylic Bromides  
*Org. Lett.* **2012**, *14*, 5464–5467.

## One-Pot Synthesis of 1-Iodoalkynes from Benzylic and Allylic Bromides



R = Cl, CF<sub>3</sub>, Me, OMe, Ph, F, OBn, thienyl, *t*-Bu, 1,3-dioxole, Alk

### Selected examples:



**Significance:** The one-pot synthesis of various 1-iodoalkynes starting from easily available benzylic and allylic bromides via homologation–double elimination with iodoform is described. The corresponding 1-iodoalkynes are obtained in good yield.

**Comment:** This methodology displays a valuable alternative to the classical Corey–Fuchs iodoalkynylation, where an excess of triphenylphosphine has to be used. Furthermore, it shows an excellent compatibility with various functionalities and the appropriate iodoalkynes are easily isolated by filtration workup. Noteworthy, this strategy may also be applied to the synthesis of *gem*-(*Z*)-chloro-(*E*)-iodoalkenes, if iodoform is replaced by CHI<sub>2</sub>Cl.

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