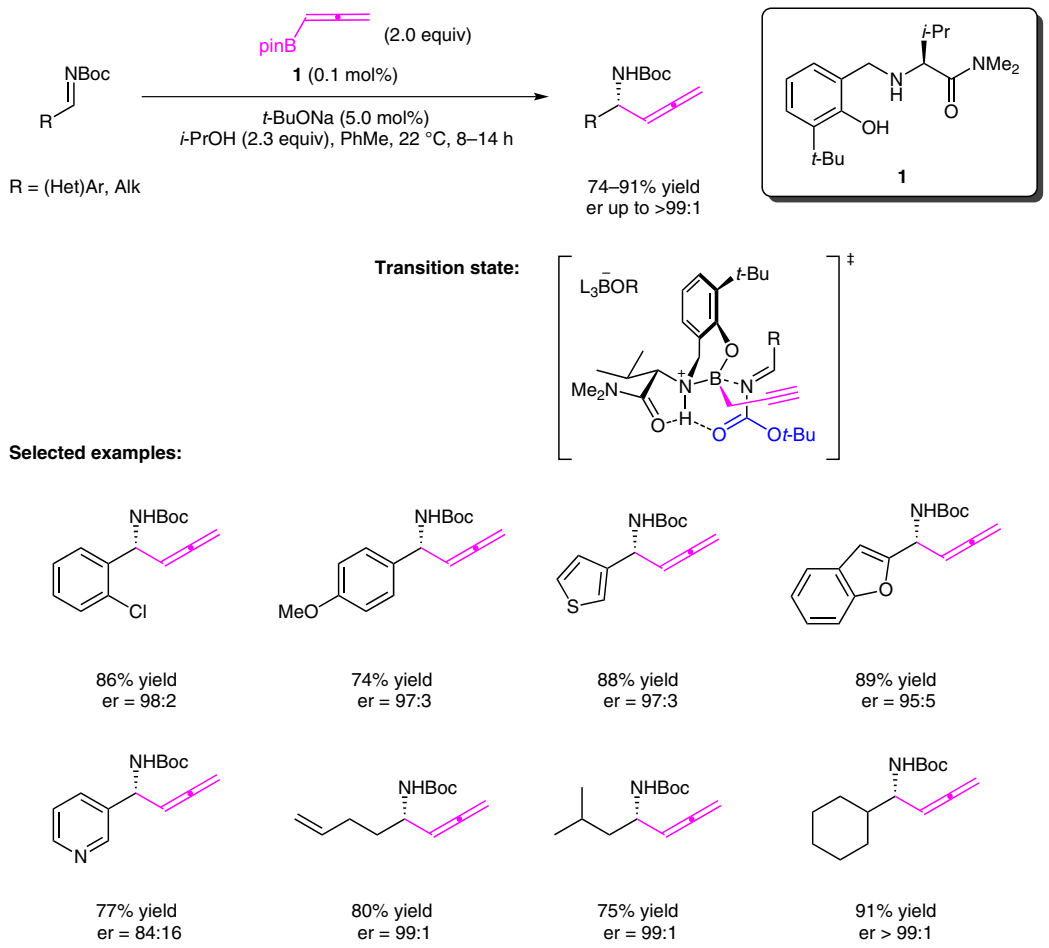
H. WU, F. HAEFFNER, A. H. HOVEYDA* (BOSTON COLLEGE, CHESTNUT HILL, USA)
An Efficient, Practical, and Enantioselective Method for the Synthesis of Homoallenylamides Catalyzed by an Aminoalcohol-Derived, Boron-Based Catalyst
J. Am. Chem. Soc. **2014**, *136*, 3780–3783.

Category
Metal-Mediated Synthesis

Key words
allenes
boron
enantioselectivity

Enantioselective Allene Addition to Aryl and Alkyl Imines



Significance: Hoveyda and co-workers report a highly efficient method for the enantioselective preparation of aryl-, heteroaryl-, and alkyl-substituted homoallenylamides. The addition of an allenyl unit to various Boc-protected imines proceeds with high yield and very good enantioselectivity.

Comment: The application of this new protocol shows its relevance in the total syntheses of the natural products anisomycin and *epi*-cytoxazone. Furthermore, it is shown that the allenyl addition performed on gram scale proceeds with high efficiency and selectivity, providing the corresponding product in excellent yield.

SYNFACTS Contributors: Paul Knochel, Diana Haas
Synfacts 2014, 10(6), 0623 Published online: 16.05.2014
DOI: 10.1055/s-0033-1341291; **Reg-No.:** P05414SF

2014 © THIEME STUTTGART • NEW YORK

This document was downloaded for personal use only. Unauthorized distribution is strictly prohibited.