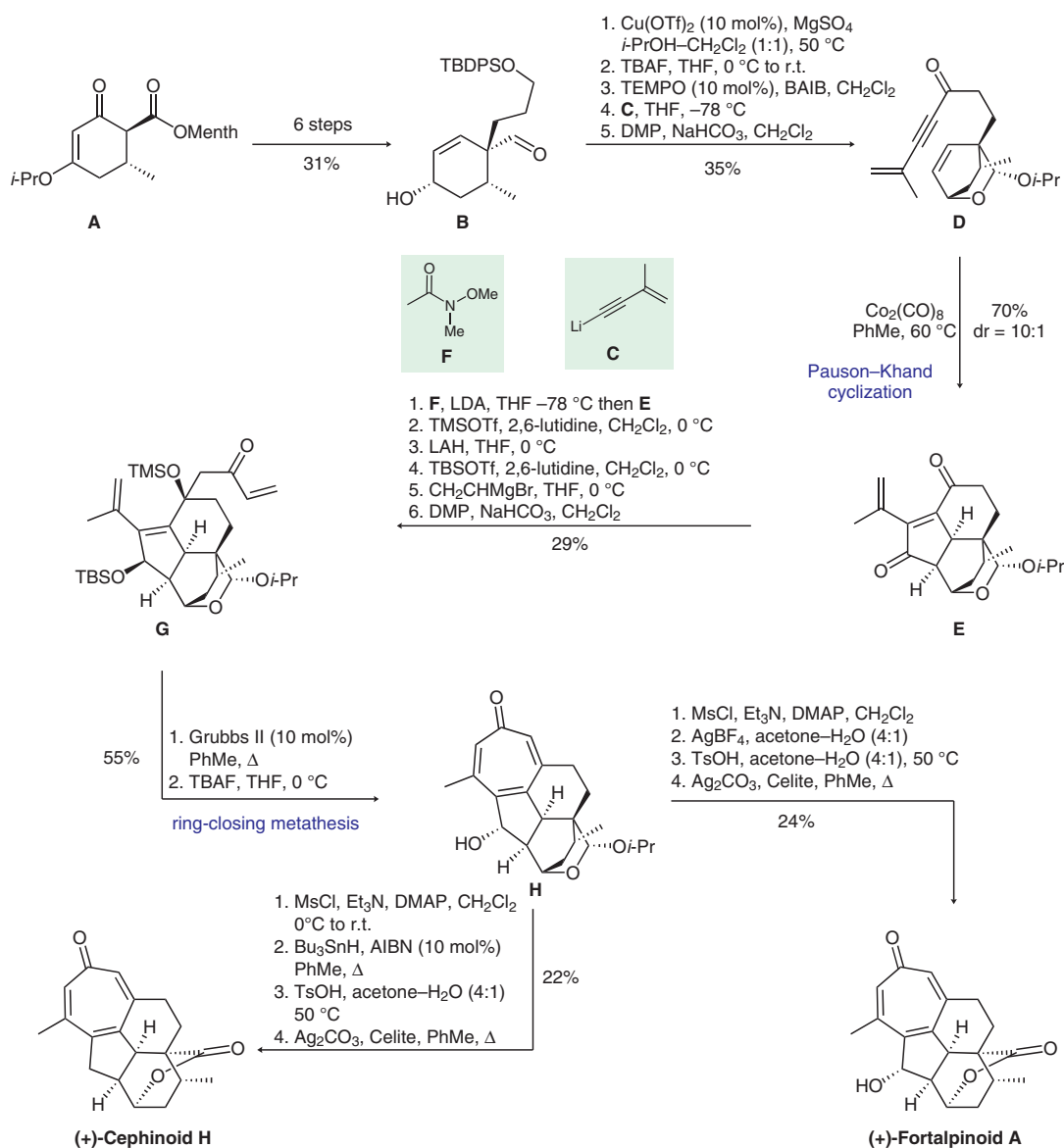


Z. REN, Z. SUN, Y. LI, X. FAN, M. DAI, Y. WANG, X. HU* (NORTHWEST UNIVERSITY, XI'AN, P. R. OF CHINA)

Total Synthesis of (+)-3-Deoxyfortalpinoid F, (+)-Fortalpinoid A, and (+)-Cephinoid H

Angew. Chem. Int. Ed. 2021, 60, 18572–18576, DOI: 10.1002/anie.202108034.

Total Synthesis of (+)-Fortalpinoid A and (+)-Cephinoid H



Significance: Hu and co-workers report the first total synthesis of (+)-fortalpinoid A and (+)-cephinoid A, members of a class of 17,17-norditerpenoids, isolated from *Cephalotaxus fortunei*.

Comment: Allyl alcohol **B** is accessed from vinylo-gous ester **A**, first described by Myers and co-workers, and elaborated into enyne **D**, which then undergoes the key carbonylative cyclization to furnish **E** and give access to three natural products.

SYNFACTS Contributors: Erick M. Carreira, David M. Fischer
Synfacts 2021, 17(09), 0959 Published online: 18.08.2021
DOI: 10.1055/s-0040-1720836; Reg-No.: C04821SF

© 2021, Thieme. All rights reserved.
Georg Thieme Verlag KG, Rüdigerstraße 14, 70469 Stuttgart, Germany

Category

Synthesis of Natural Products and Potential Drugs

Key words

cephalotaxus
(+)-fortalpinoid A
(+)-cephinoid H
Pauson-Khand cyclization
ring-closing metathesis

Synfact
of the
Month

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