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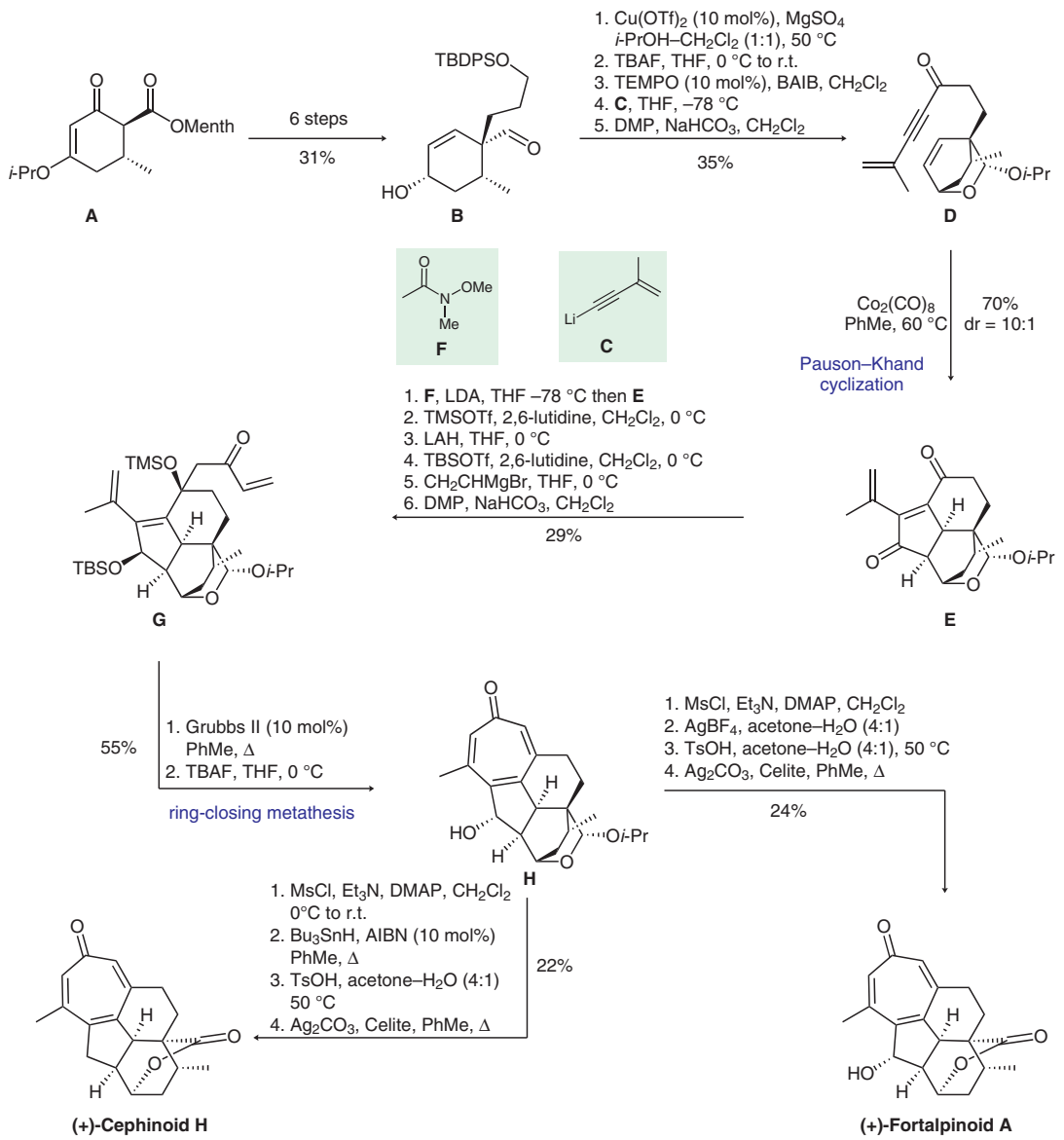
# Total Synthesis of (+)-Fortalpinoid A and (+)-Cephinoid H




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

**Comment:** Allyl alcohol **B** is accessed from vinylogous 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.

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**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

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