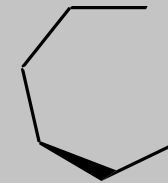


Asymmetric Total Synthesis of (-)-Phaeocaulisin A

D. J. Procter

Phaeocaulisin A, which is a natural product of *C. phaeocaulis* and has been shown to be a potent inhibitor of the enzyme phospholipase C- β . It is a bicyclic compound with a complex structure.



Phaeocaulisin A is a bicyclic compound with a complex structure. It is a potent inhibitor of the enzyme phospholipase C- β .

Phaeocaulisin A is a bicyclic compound with a complex structure. It is a potent inhibitor of the enzyme phospholipase C- β .

The structure of phaeocaulisin A is shown below. It is a bicyclic compound with a complex structure. It is a potent inhibitor of the enzyme phospholipase C- β .

For more information, see: *J. Am. Chem. Soc.* **2021**, *143*, 3655.

Nat Catal. **2019**, *2*, 211.

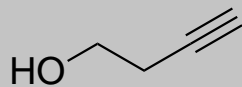
Organomet. Chem., **2016**, *40*, 1. (Review article)

Tomoya Ozaki, Liu Group, Boston College

2022/04/22

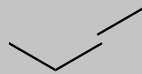
Reheic Anal i

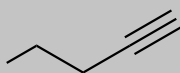




2

0.52 !/g



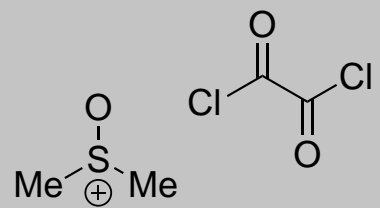


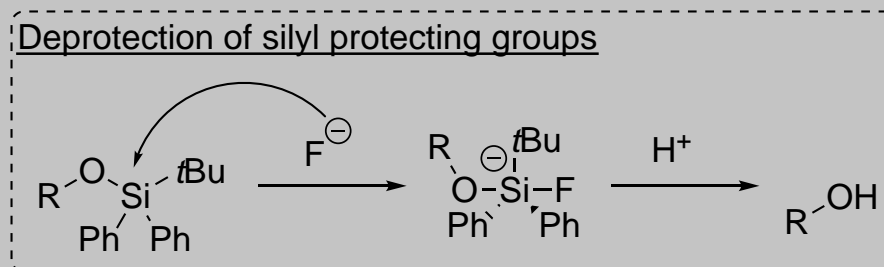
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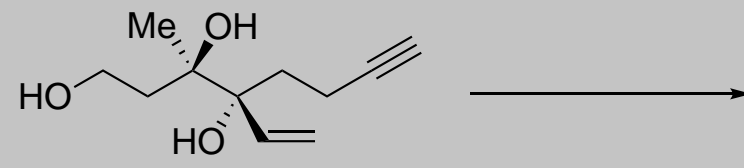
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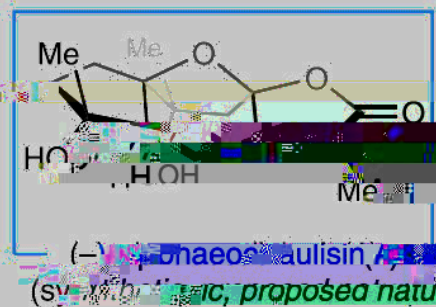
Swern Oxidation







b



natural
 $[\alpha_D^{25}] = +38.4$

synthetic
 $[\alpha_D^{25}] = -40.0$

(revised natural)