1

Sml₂ (2 eq)
tBuOH (3 eq)
THF

?

Tetrahedron Letters 2002, 43, 9517–9520

2

OBn

BnO

BnO

Sml₂ (2.2 eq)
tBuOH

?
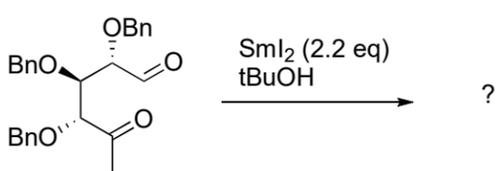
Tetrahedron, 1997, 53, 11767

3
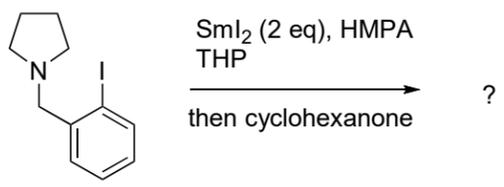
Sml₂ (2 eq), HMPA
THP

then cyclohexanone

?

J. Org. Chem. 1992, 57, 794-796

4

Br

O

Ph

Me

tBu

Sml₂ (2 eq)
THF

?
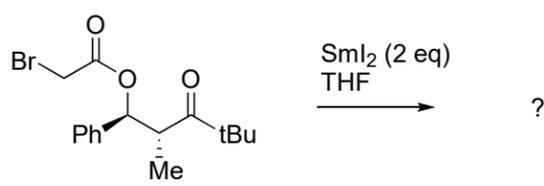
J. Am. Chem. SOC, 1987, 109, 6556

5

?

Sml₂
tBuOH
THF

R

Sml₂
MeOH
THF

?

CO₂Et
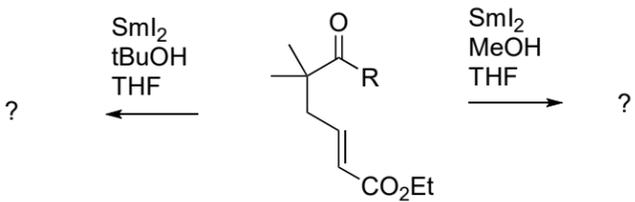
ORGANIC LETTERS, 2002, 4, 2345-2347

6

TMSO

Br

O R¹

R²

Sml₂ (2.2 eq)

then Br   Br (1.1 eq)

O

Br   Br

?
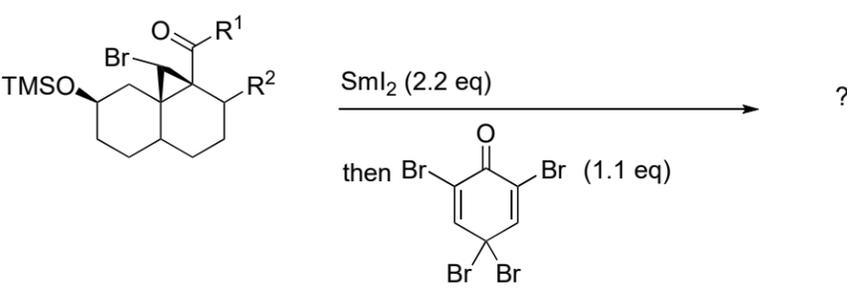
J. AM. CHEM. SOC. 2008, 130, 7241–7243

7

O

H

O

Sml₂ (2 eq)
tBuOH
HMPA

?
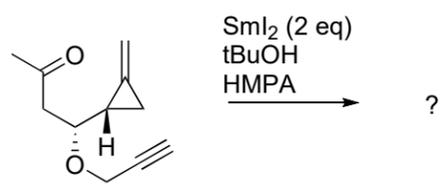
Chem. Commun, 1998 1875

8

O

O

R¹ R²

R³

Sml₂/H₂O (8 eq)
THF

?
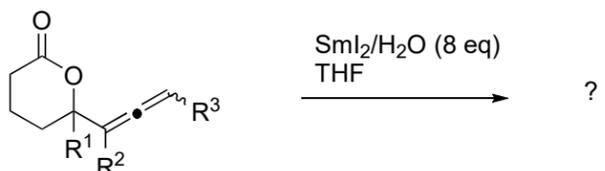
J. Am. Chem. Soc. 2012, 134, 12751-12757