1) [1]
2) NaBH$_4$, TBAF

88%, 94% ee, over 2 steps

A

3) NaOCl, TEMPO
then **2**, *then* DMP

60%

B

4) TFA, **72%**
5) [3], **4**,
then Comins' reagent, **70%**

Structure of Comins' reagent?

C

6) TrocCl
7) **5**, *then* H$^+$

70% from **C**

D

8) XPhosAuNTf$_2$
then Ru(PPh$_3$)$_3$Cl$_2$,
TBAI, TBHP

53%

E

9) L-selectride, *then* NaBH$_4$
10) NaOCl, TEMPO
then Zn, AcOH

61% from **E**

F

1

2

3

4

5

11) TBSOTf, DMDO, **73%**
12) Ac$_2$O, *then* LiOH, **64%**

G

TfO

OAc

O

H

Me

H

O

N

OH
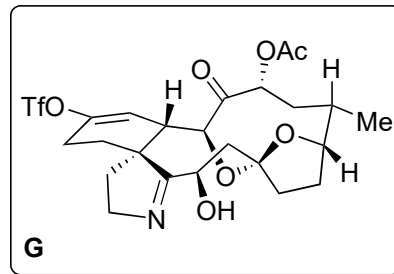
BF$_3$K
13) Pd(dppf)Cl$_2$,
    TEA, *n*-PrOH
14) DMP, *then* NH$_3$

88%

Finisch it!™

OH

O

H

Me

H

O

O

N

portimine B
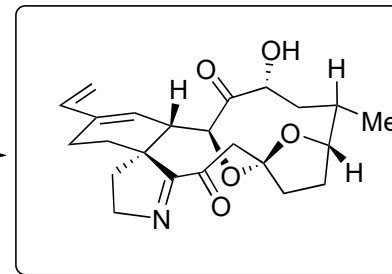
then
NaBH$_3$CN

80%
over 3 steps

OH

O

H

H

Me

O

O

N

OH

portimine A