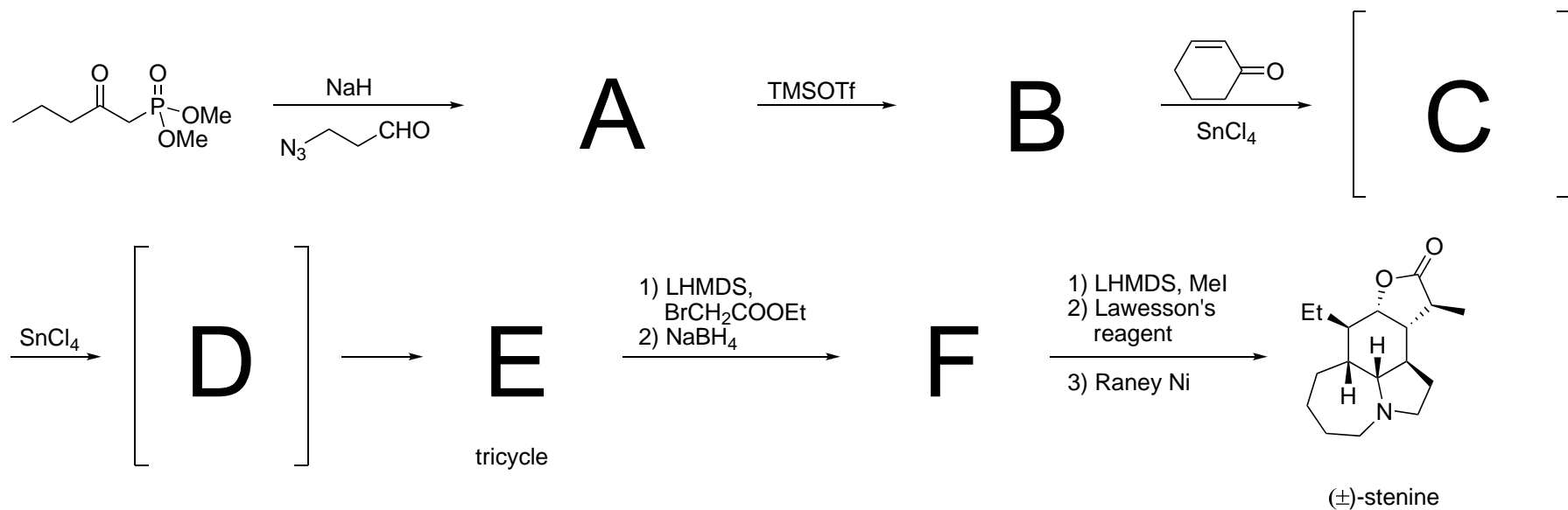
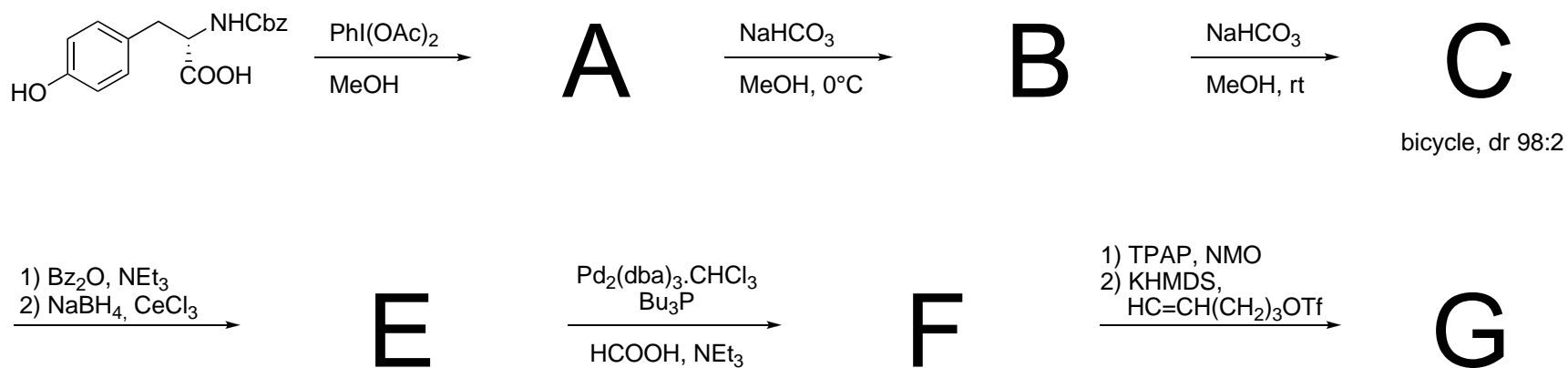


Syntheses of Stenine



Frankowski, K. J.; Golden, J. E.; Zeng, Y.; Lei, Y.; Aubé, J. *J. Am. Chem. Soc.* **2008**, *130*, 6018-6024.



1) NaBH₄, CeCl₃
2) MeC(OMe)₂NMe₂
130 °C

H

1) AD-mix β; NaIO₄
2) NaBH₄
3) TIPS-Cl, DMAP

I

1) LiOH, H₂O/THF
2) PhOPOCl₂, NEt₃
then PhSeH
3) Bu₃SnH, AIBN

J

1) I₂
2) Allyl-SnBu₃
AIBN

K

1) LDA, HMPA
MeI
2) OsO₄, NaIO₄

L

1) NaBH₄
2) *o*-(NO₂)PhSeCN
Bu₃P; then H₂O₂

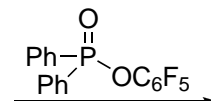
M

1) HF
2) DMP, NaClO₂

N

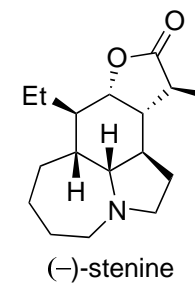
Pd(OH)₂, H₂

O



P

1) Lawesson's reagent
2) Raney-Ni



Wipf, P.; Kim, Y.; Goldstein, D. M. *J. Am. Chem. Soc.* **1995**, *117*, 11106-11112.
Wipf, P.; Kim, Y. *Tetrahedron Lett.* **1992**, *33*, 5477-5480.