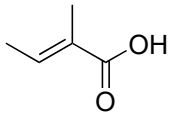
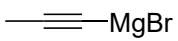
Total Synthesis of Nesteretal A

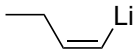
Kawamoto, Y.; Kitsukawa, H.; Kobayashi, T.; Ito, H. *Org. Lett.* **2021**, *23* (18), 7074–7078.



1) LAH
2) PBr_3
3) CuI, 1
4) AD-mix-b
5) IBX
6) MOMCl, DIPEA
7) $Co_2(CO)_8$
8) $LaCl_3 \cdot 2LiCl$, 2
9) CAN
10) $Pd(OAc)_2$, PPh_3
11) CBr_4, iPrOH
12) $Mo(CO)_6$, TBHP
13) H_2SO_4, H_2O
14) IBX
15) PPTS, $CH(OMe)_3$, MeOH
16) OsO_4, NMO
17) IBX
18) H_2SO_4;

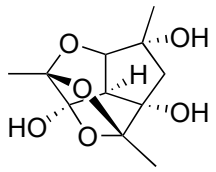


1

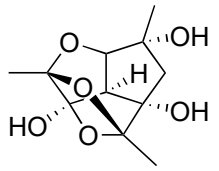


2

4) Name of the reaction?
Sharpless asymmetric dihydroxylation



Nesteretal A



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