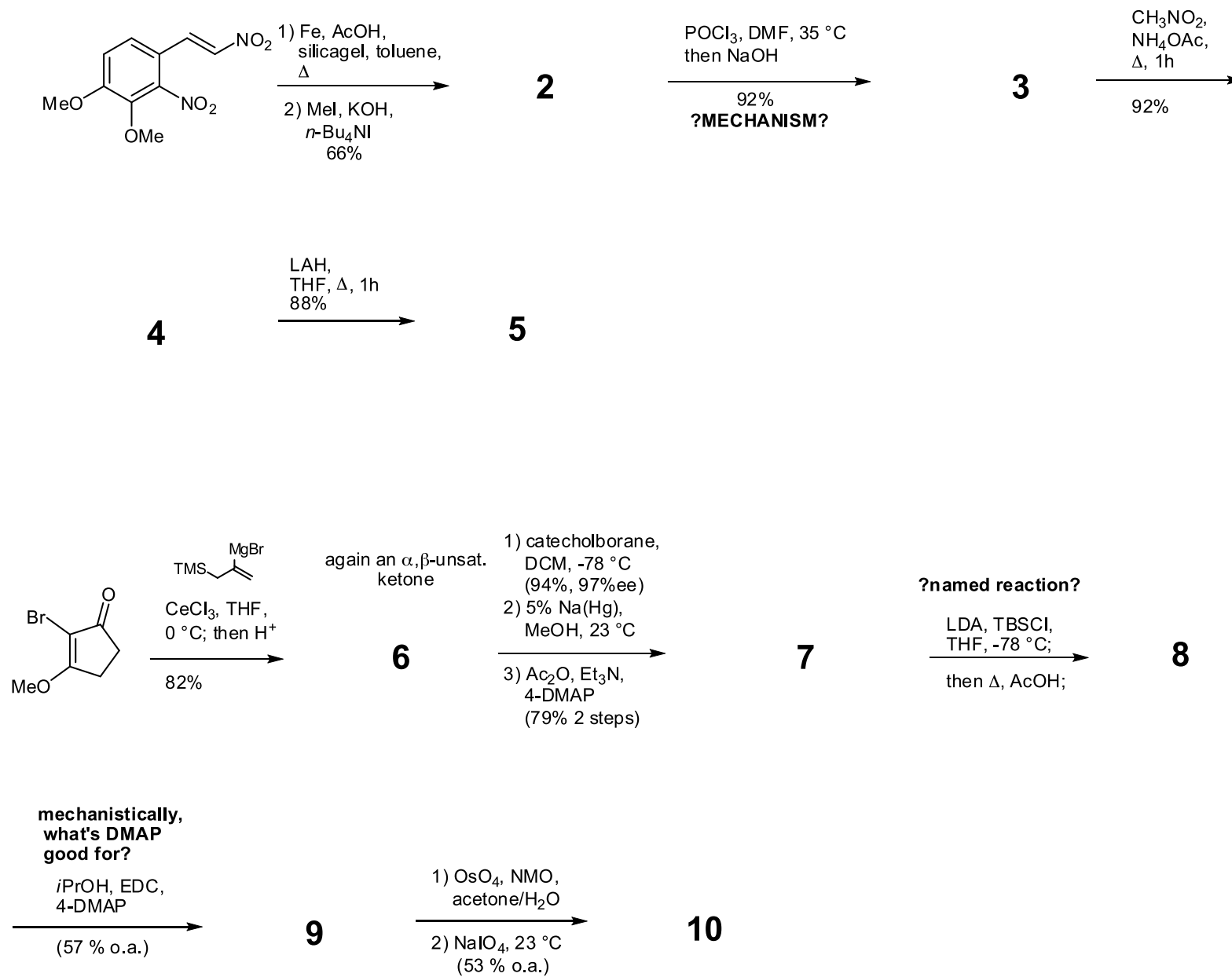


# Aspidophytine

Nicolaou and Snyder)

E. J. Corey (from „Classics in Total Synthesis II” by



**5**

+

**10**

MeCN, 23 °C  
5 min;  
then TFAA,  
0 °C, 2h

**11**

cyclization

**12**

cyclization

**13**NaBH<sub>3</sub>CN

(66% o.a.)

**14**

1) NaOH, EtOH, 75 °C  
2) K<sub>3</sub>Fe(CN)<sub>6</sub>, NaHCO<sub>3</sub>

79%

**15****16**

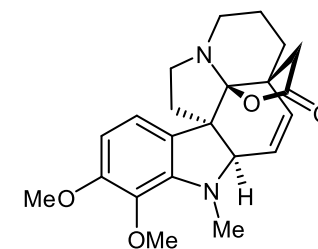
1) OsO<sub>4</sub> (1 eq.), DMAP,  
(2 eq.), tBuOH/H<sub>2</sub>O,  
NaSO<sub>4</sub>

2) Pb(OAc)<sub>4</sub>, AcOH,  
DCM, -20 °C  
(70% o.a.)

**17**

1) KHMDS, THF, -78 °C  
then PhNTf<sub>2</sub>, -78 °C

2) Pd(PPh<sub>3</sub>)<sub>4</sub>, nBu<sub>3</sub>SnH,  
THF, 23 °C, 1h  
(46% o.a.)

**(-)-Aspidophytine (1)**