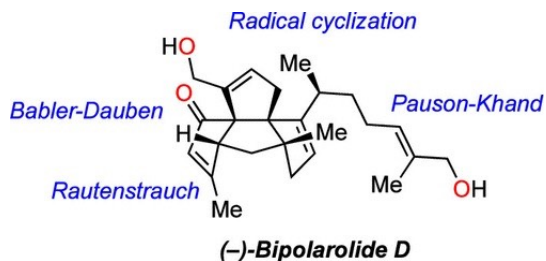


Total Synthesis of (-)-Bipolarolide D

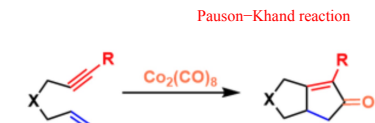
Gleb A. Chesnokov, Julia Friedli, Francis J. Carta,  
and Karl Gademann\*  
JACS Au 2024, 4, 11, 4194-4198

unique tetraquinane (5/5/5/5) tetracyclic skeleton

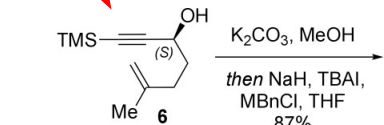
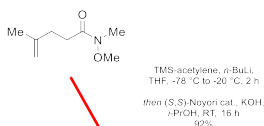
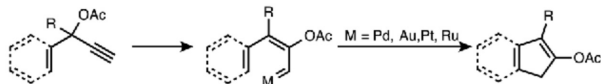


Rautenstrauch cycloisomerization,

J. Am. Chem. Soc. 2007, 129, 50, 15503



A. transition metal-catalyzed Rautenstrauch rearrangement



literature known, ref.6  
(2 steps from commercially available material)

