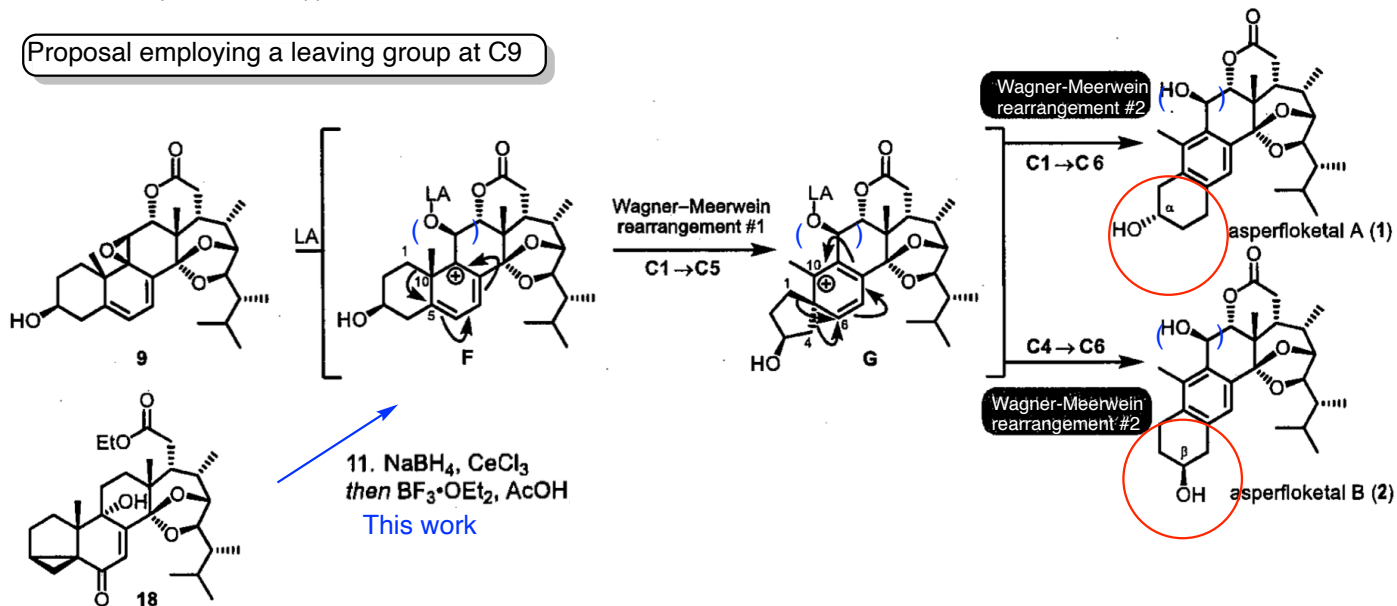


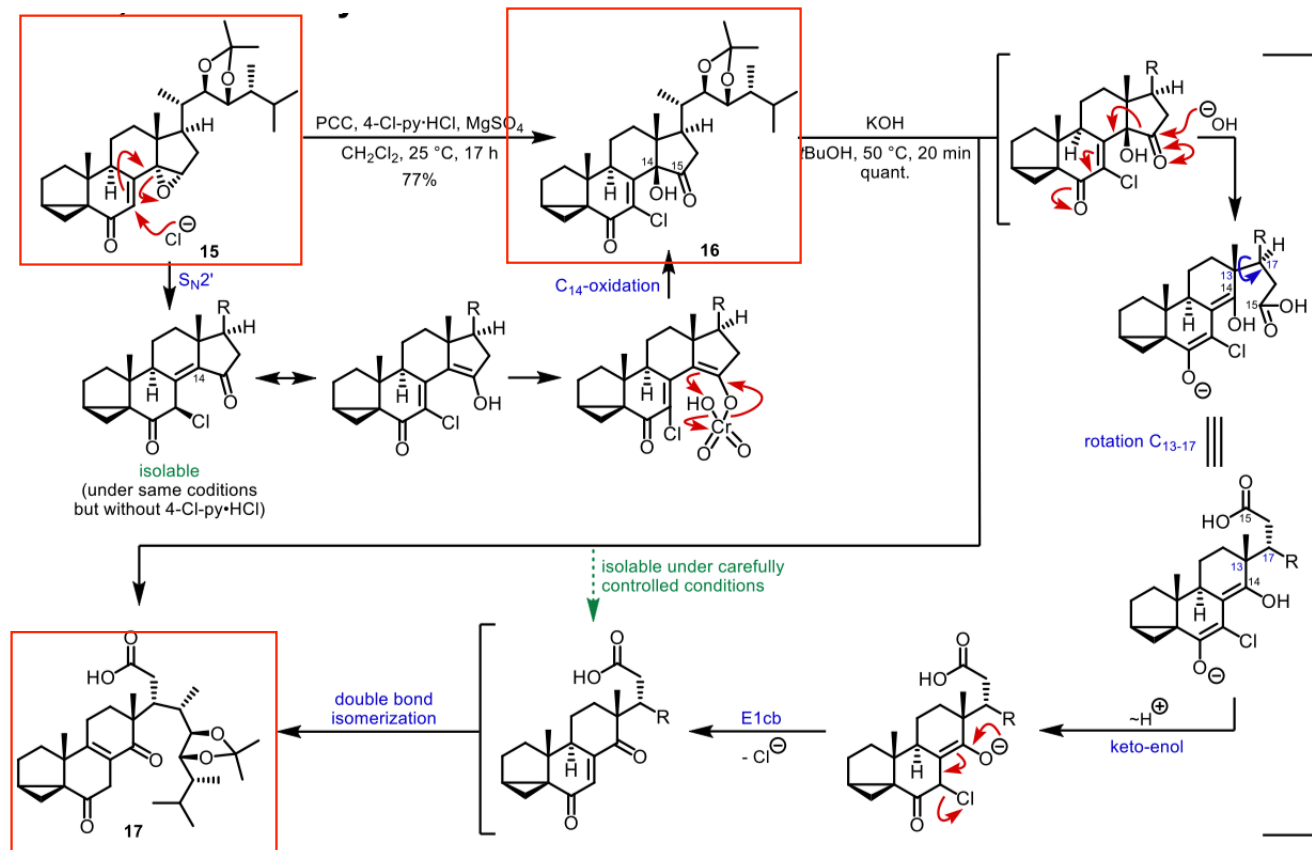
- ◆ 14,15-secosteroid platform from ergosterol
- ◆ biomimetic anthrasteroid rearrangement
- ◆ mechanistic bifurcation event supports biogenesis

Chemical Emulation of the Biosynthetic Route to Anthrasteroids: Synthesis of Asperfloketal A: Mykhalo Alekseychuk and Philipp Heretsch* [Cite this:](#) J. Am. Chem. Soc. 2022, 144, 48, 21867–21871

Proposal employing a leaving group at C9



Mechanistic proposal for the formation of α -chloro- γ -hydroxy- δ -oxo enone 16 and 14,15-scission by retro-Dieckmann and keto-enol tautomerizations.



[4+2] cycloaddition of silyl enol ether to O2

