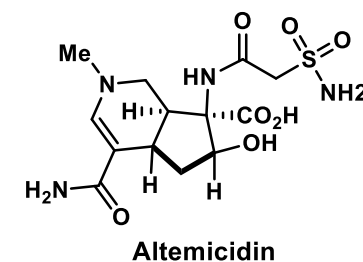
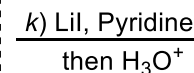
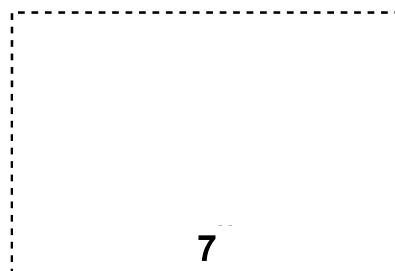
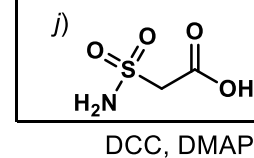
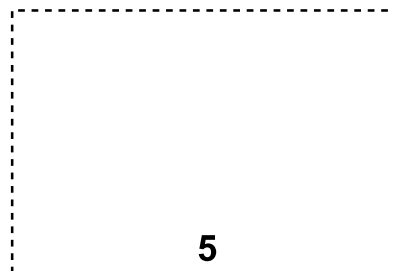
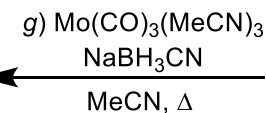
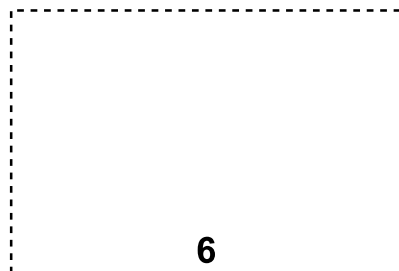
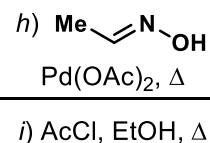
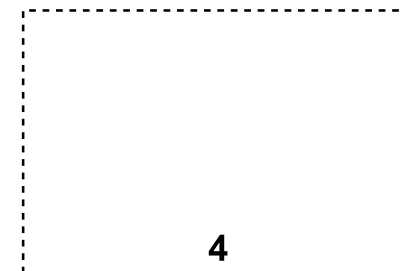
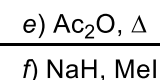
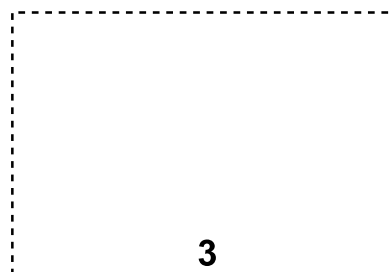
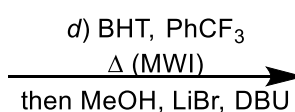
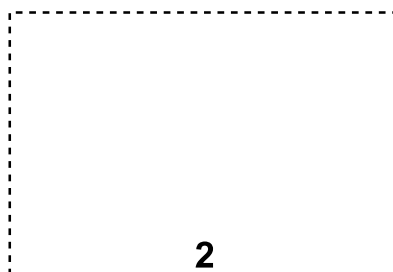
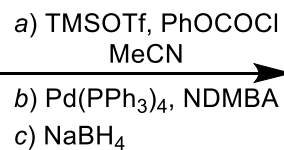
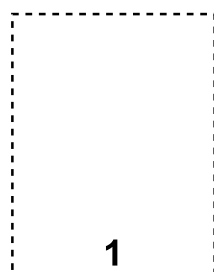
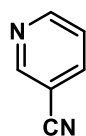
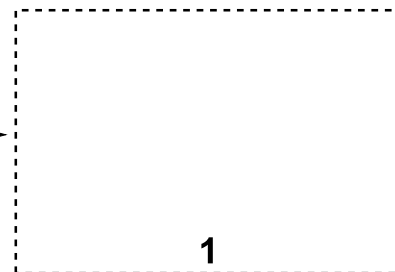
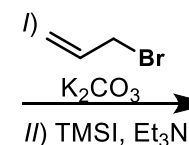
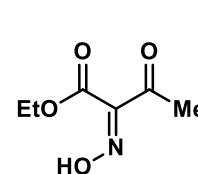
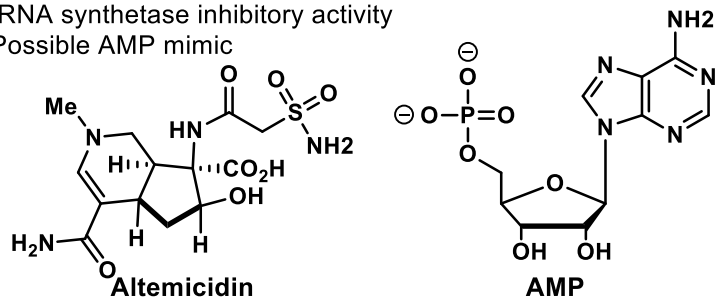


Dearomative Synthetic Entry into the Altemicidin Alkaloids

Harmange Magnani, C. S.; Maimone, T. J. *J. Am. Chem. Soc.* **2021**, *143*, 7935 – 7939.

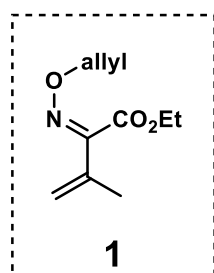
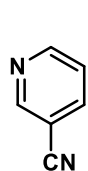
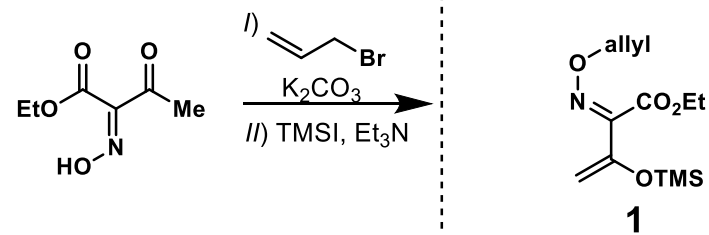
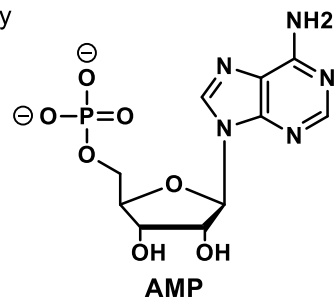
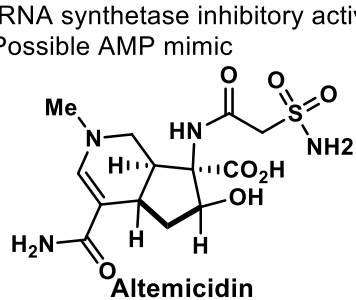
- First isolated from *S. sioyaensis* (bacteria)
- tRNA synthetase inhibitory activity
- Possible AMP mimic



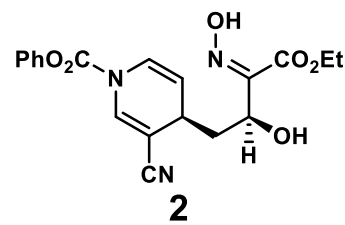
Dearomative Synthetic Entry into the Altemicidin Alkaloids

Harmange Magnani, C. S.; Maimone, T. J. *J. Am. Chem. Soc.* **2021**, *143*, 7935 – 7939.

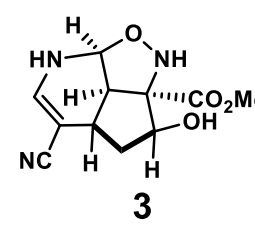
- First isolated from *S. sioyaensis* (bacteria)
- tRNA synthetase inhibitory activity
- Possible AMP mimic



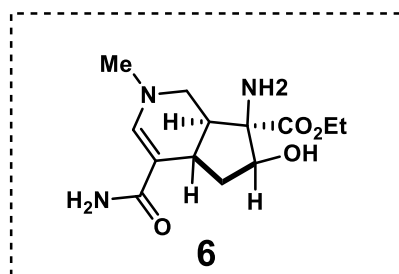
a) TMSOTf, PhOCOCI
MeCN
b) $\text{Pd}(\text{PPh}_3)_4$, NDMBA
c) NaBH_4



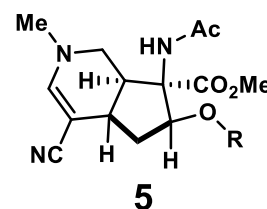
d) BHT, PhCF_3
 Δ (MWI)
then MeOH, LiBr, DBU



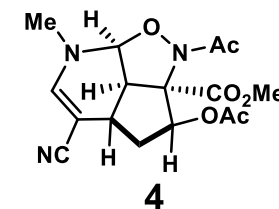
e) Ac_2O , Δ
f) NaH, MeI



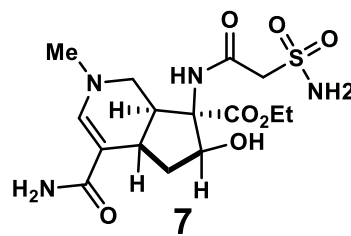
h) Me-CH=N-OH
 $\text{Pd}(\text{OAc})_2$, Δ
i) AcCl , EtOH, Δ



g) $\text{Mo}(\text{CO})_3(\text{MeCN})_3$
 NaBH_3CN
MeCN, Δ



j) $\text{H}_2\text{N-CH}_2\text{-COOH}$
DCC, DMAP



k) Lil, Pyridine
then H_3O^+

