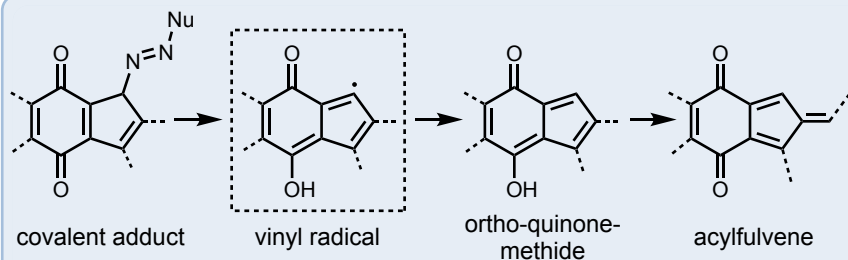


- Lomaiviticin A has nanomolar activities against a variety of cancer cell types as well as activity against Gram Negative and Positive Bacteria
- Isolated by George Ellestad and Chris Ireland in 2001 from *micromonospora lomaivitiensis*, which are microbial symbiotes with ascidians

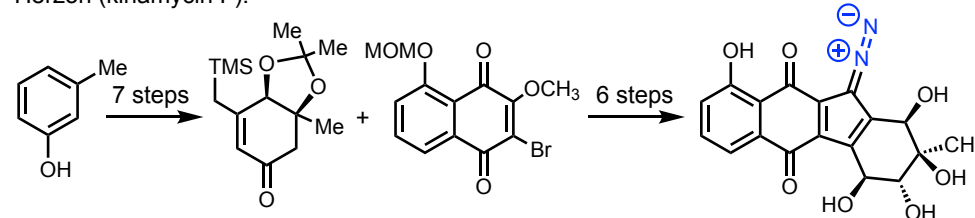
Kinamycins and Lomaiviticins

Presumed vinyl radical abstracts hydrogen atoms from deoxyribose backbone of DNA, initiating double strand cleavage

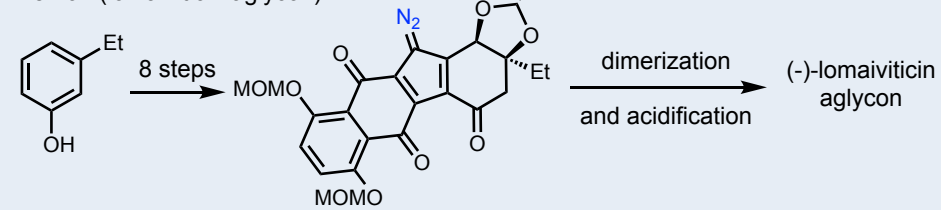


Herzon J. Am. Chem. Soc. 2011, 133, 7260
 Herzon J. Am. Chem. Soc. 2012, 134, 17262
 Herzon Acc. Chem. Res. 2017, 50, 2577

Herzon (kinamycin F):



Herzon (lomaiviticin aglycon):



Herzon (lomaiviticin A):

