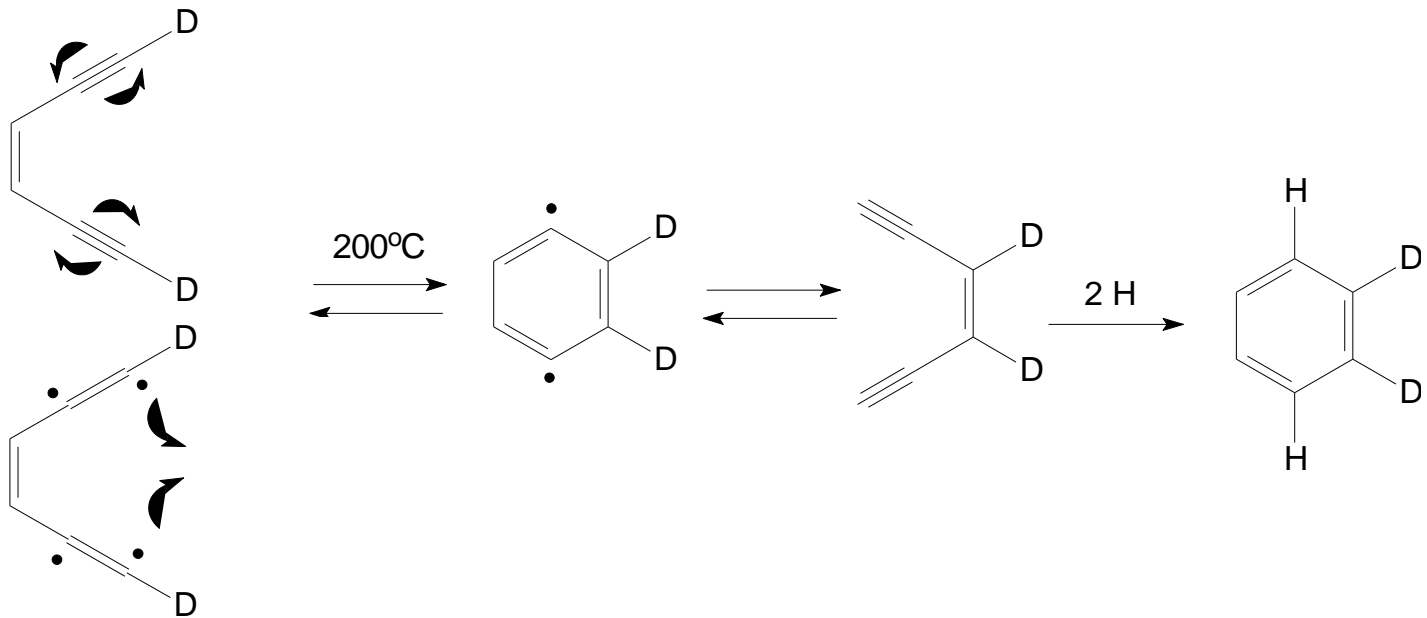


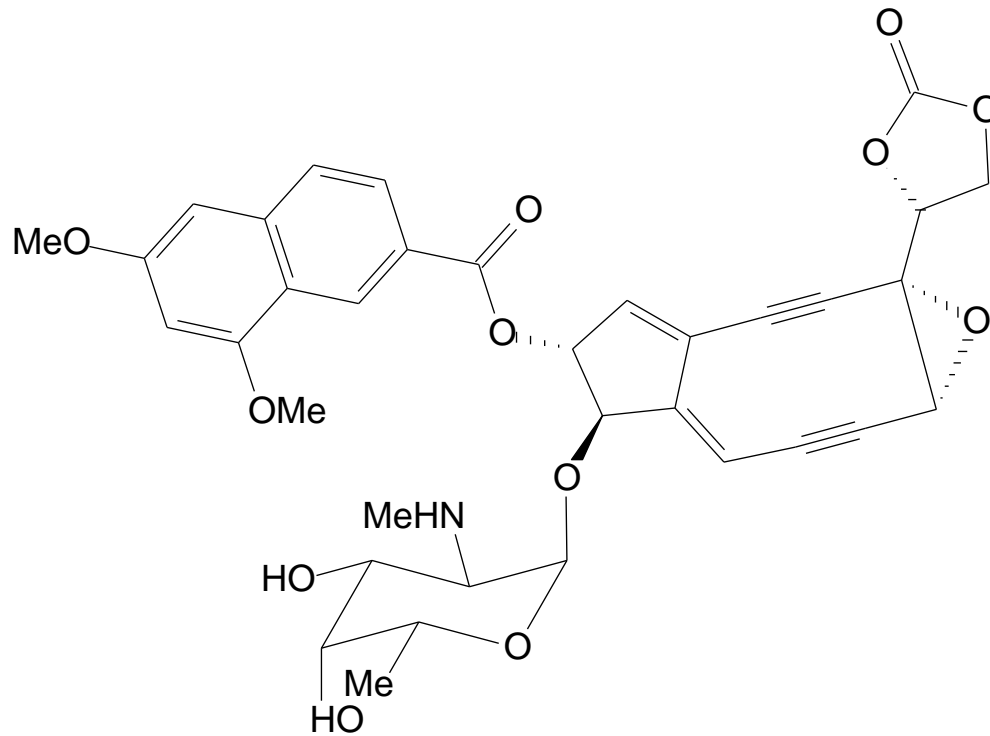
# Μόρια που προκαλούν σχάση της αλυσίδας του DNA

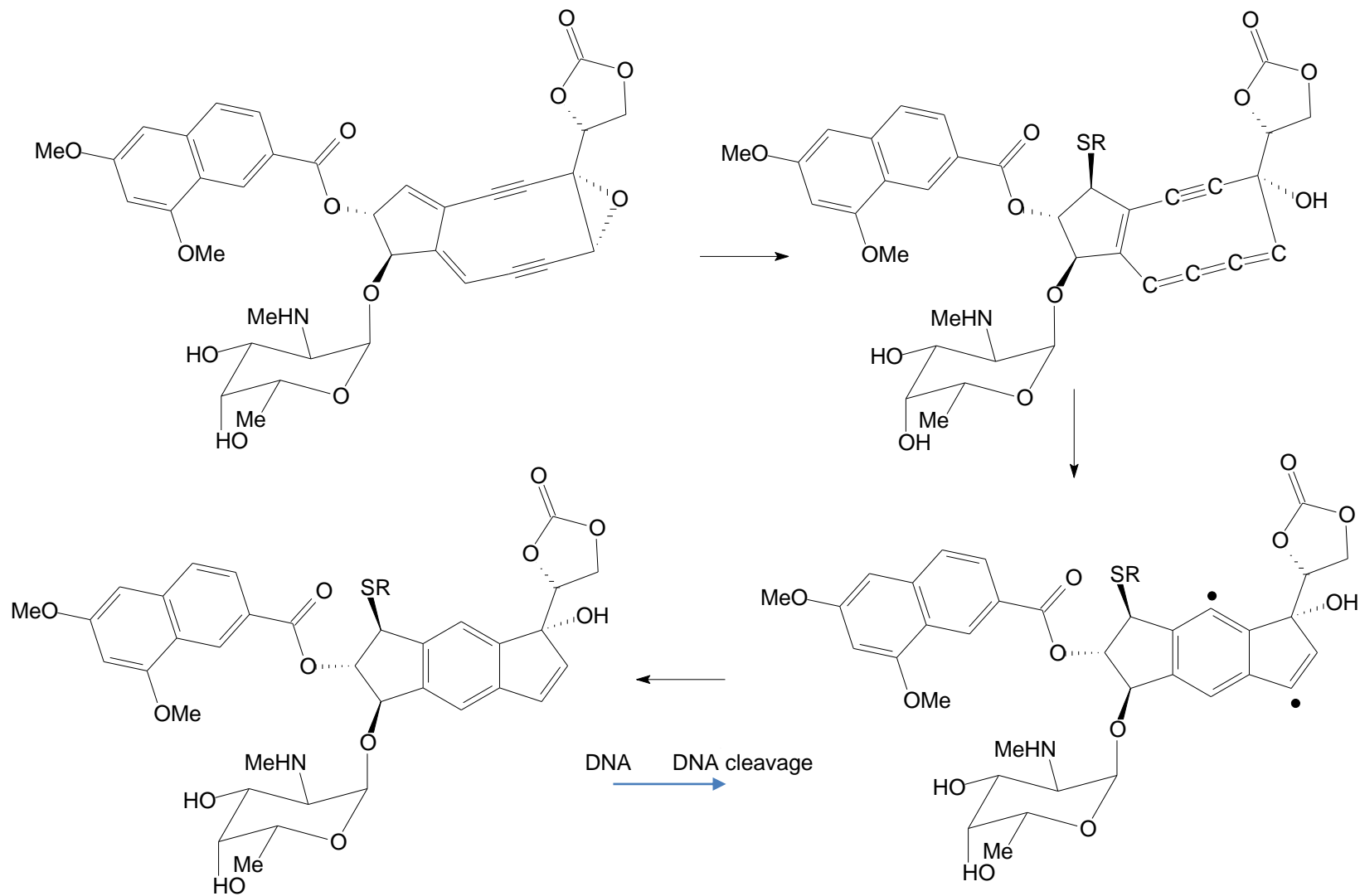
## Bergman cycloaromatization



Μόρια που προκαλούν σχάση της αλυσίδας του DNA - enediynes

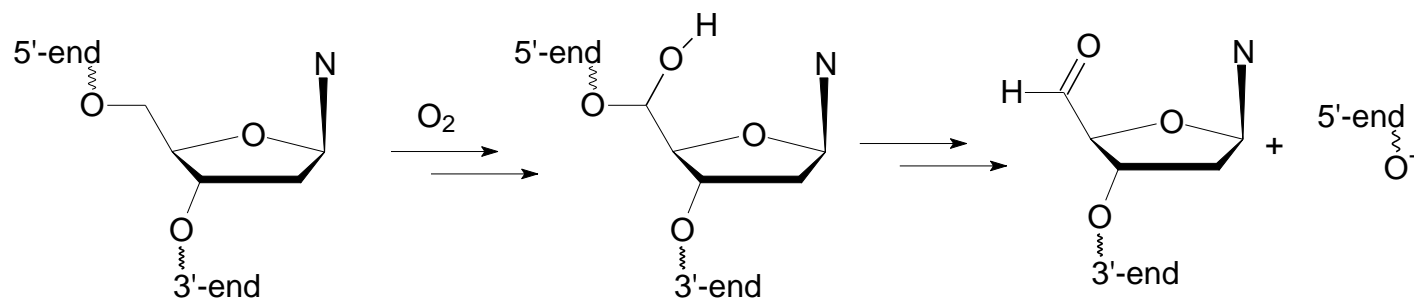
neocarzinostatin



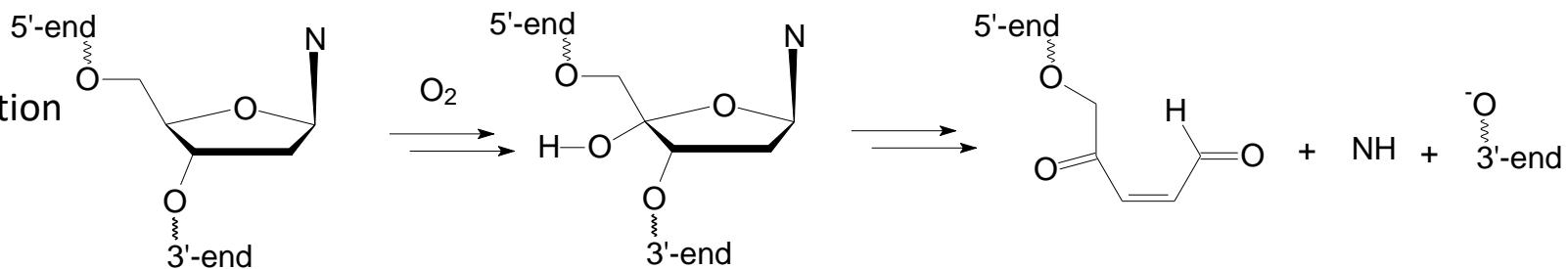


single strand DNA cleavage due to C-5' H abstraction (80%) and C-4' or C-1' abstraction (20%)

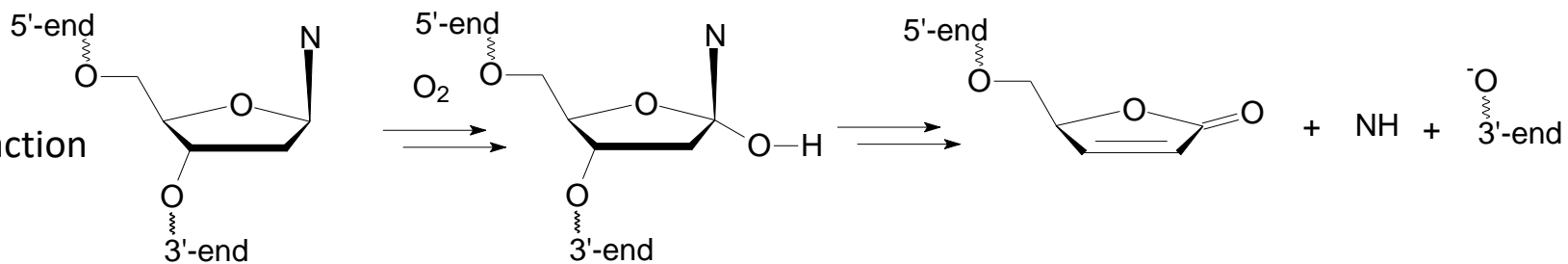
C-5' H abstraction



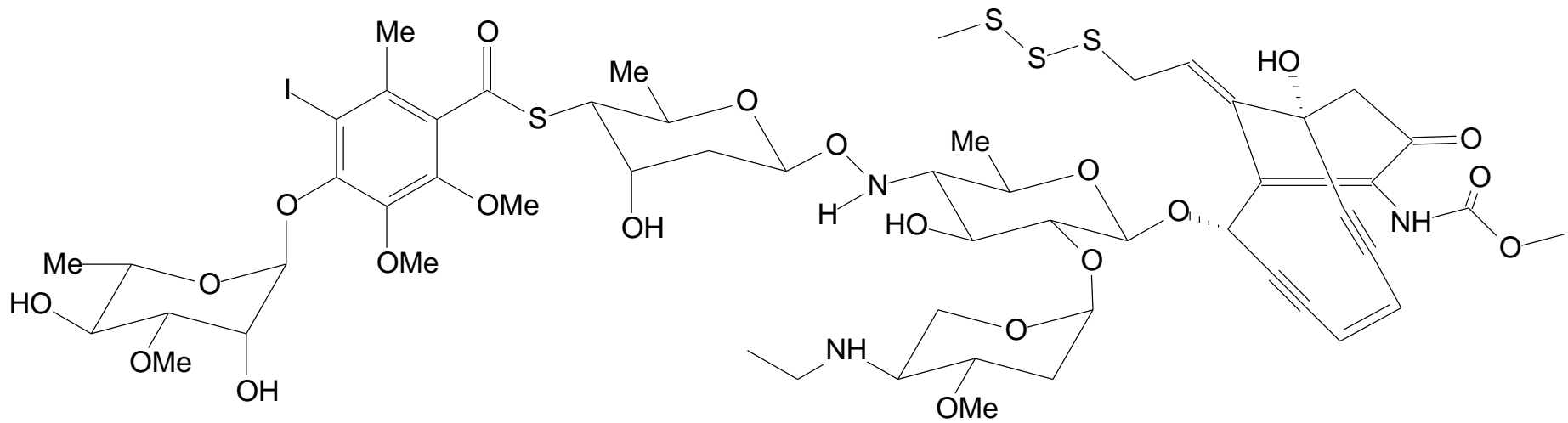
C-4' H abstraction



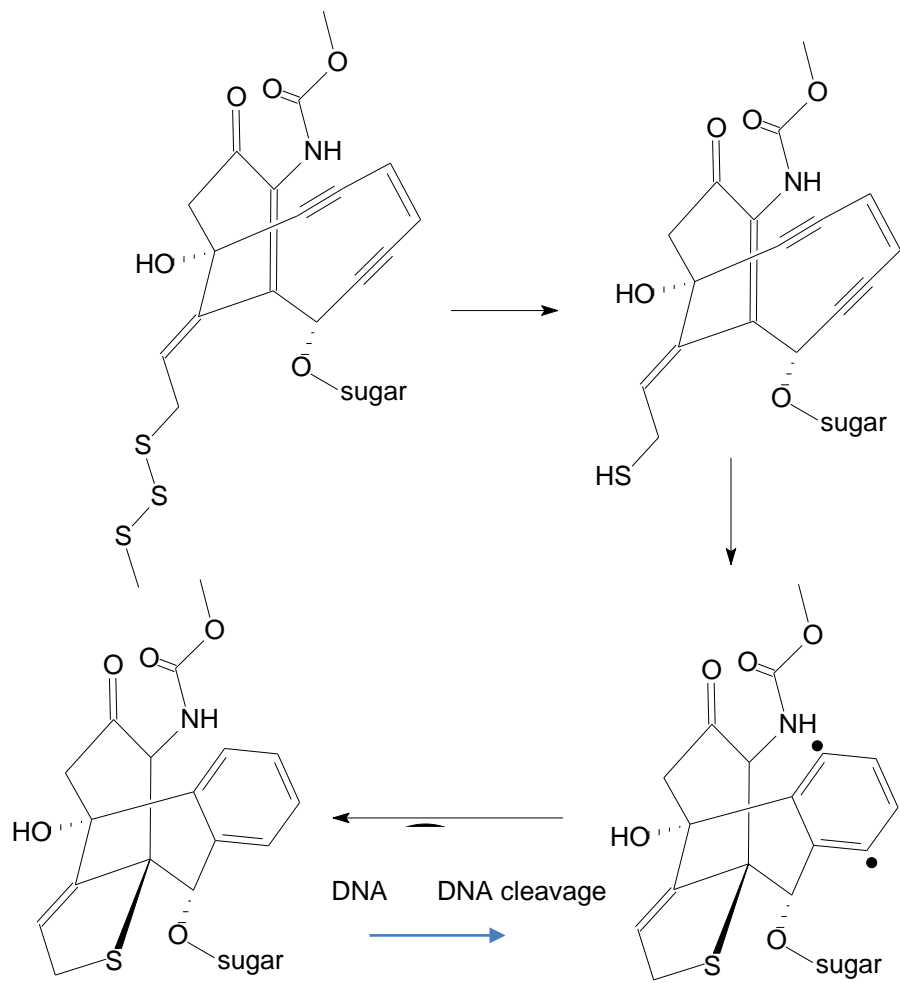
C-1' H abstraction



# calicheamicins ( $\gamma_1^I$ )



Specific double strand DNA cleavage at the C-5' of C and the C-4' of the nucleotide 3 bases apart on the complementary strand (towards 3'-side)

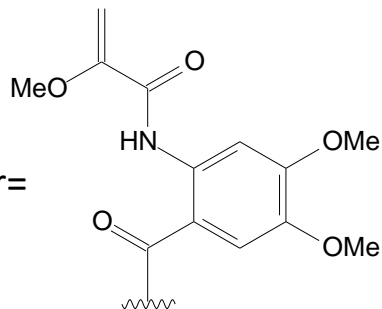


n=3 or 4

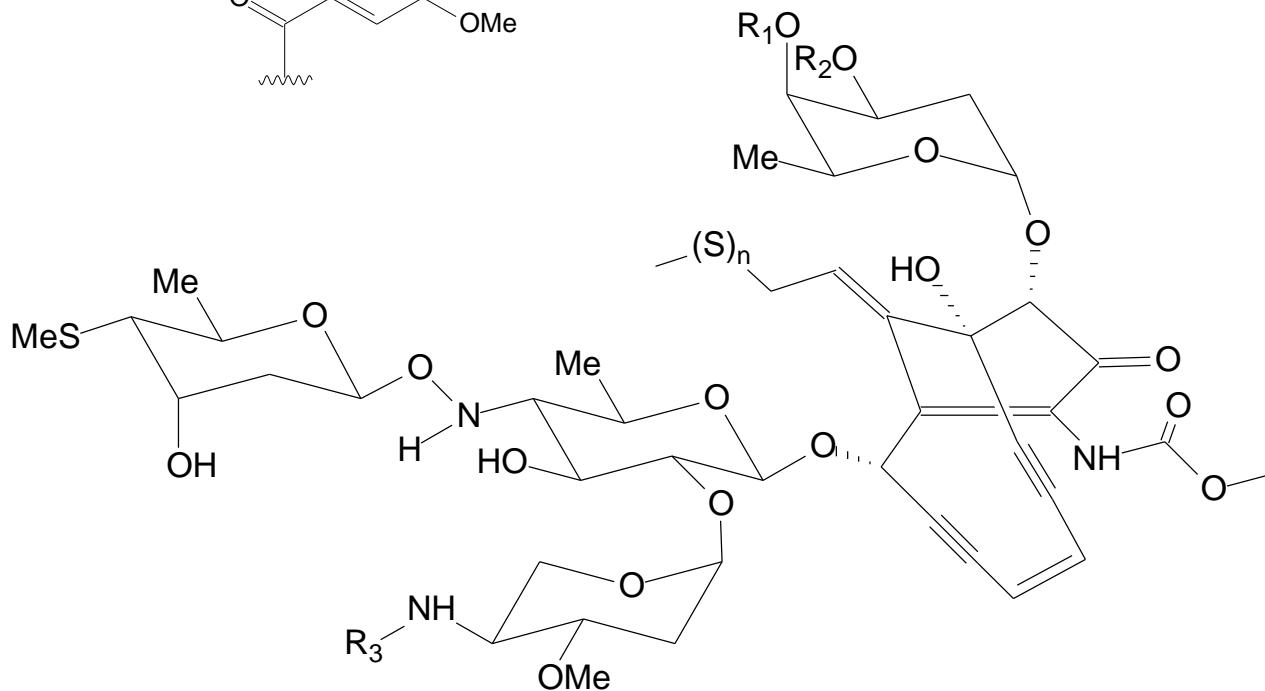
R<sub>1</sub>, R<sub>2</sub>= H or Ar

R<sub>3</sub>= Me, Et, isoPr

Esperamicin A<sub>1</sub>. Ar=

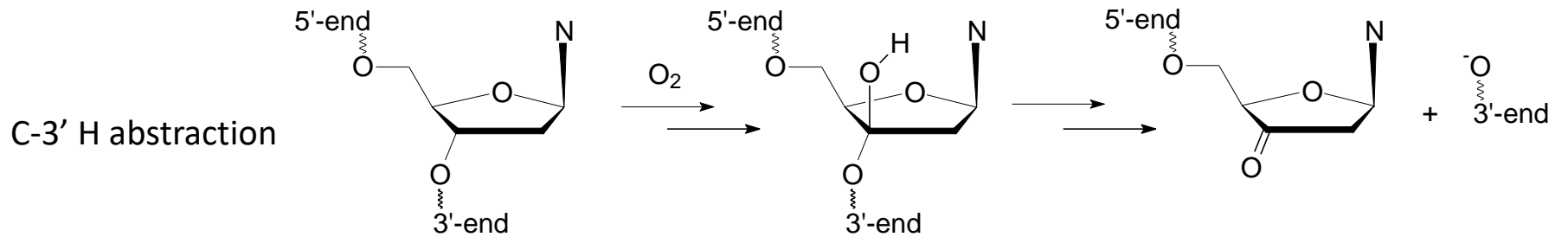
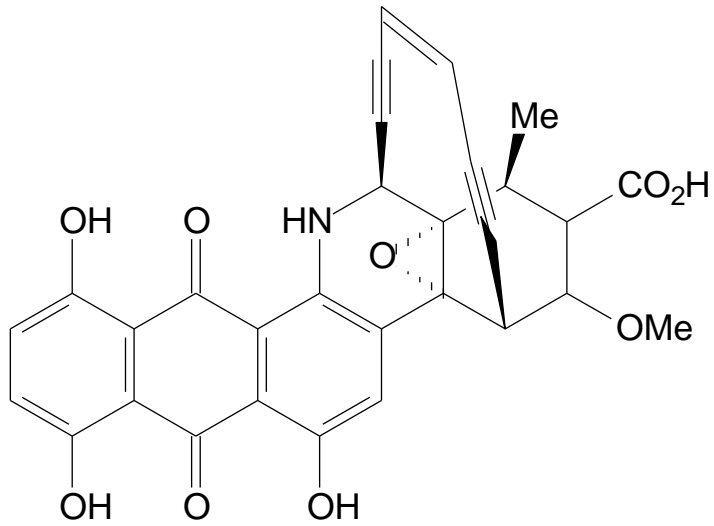


esperamicins



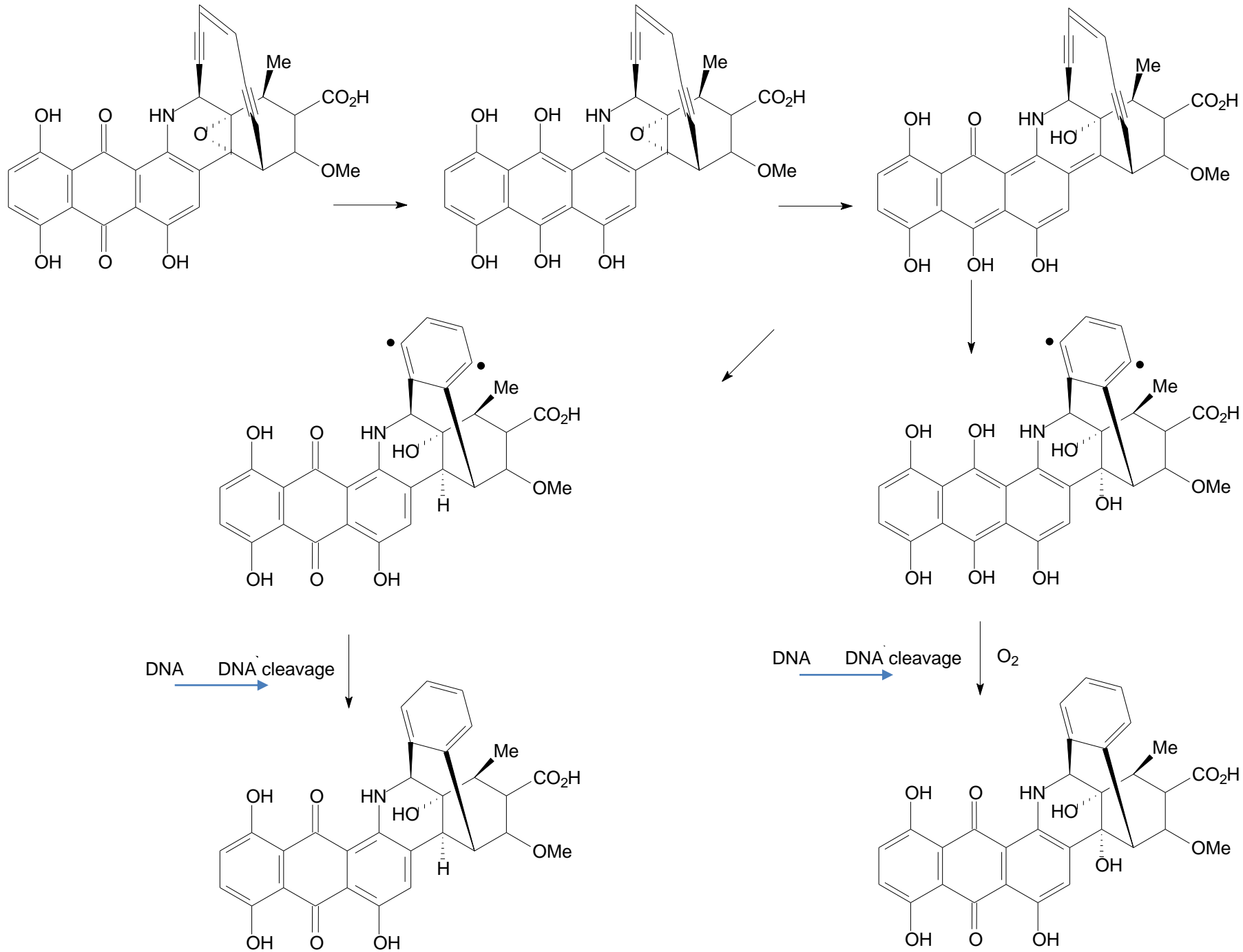
Less seq. selectivity. C-5' and C-4' H abstraction. Esperamicin A<sub>1</sub> effects single strand cuts.

# dynemicins

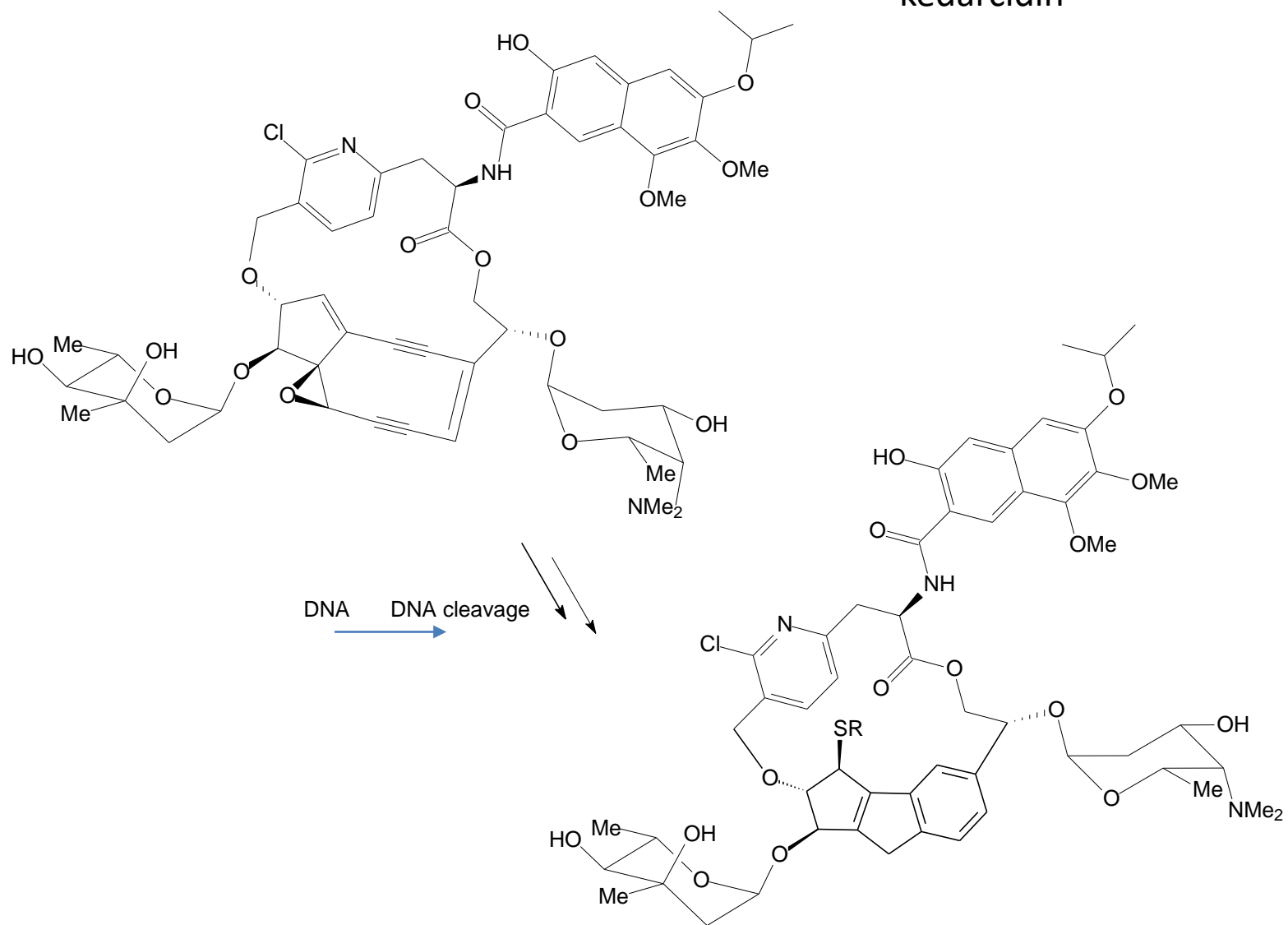


Single & double strands, due to C-3' H or (and) C-5' H abstraction.



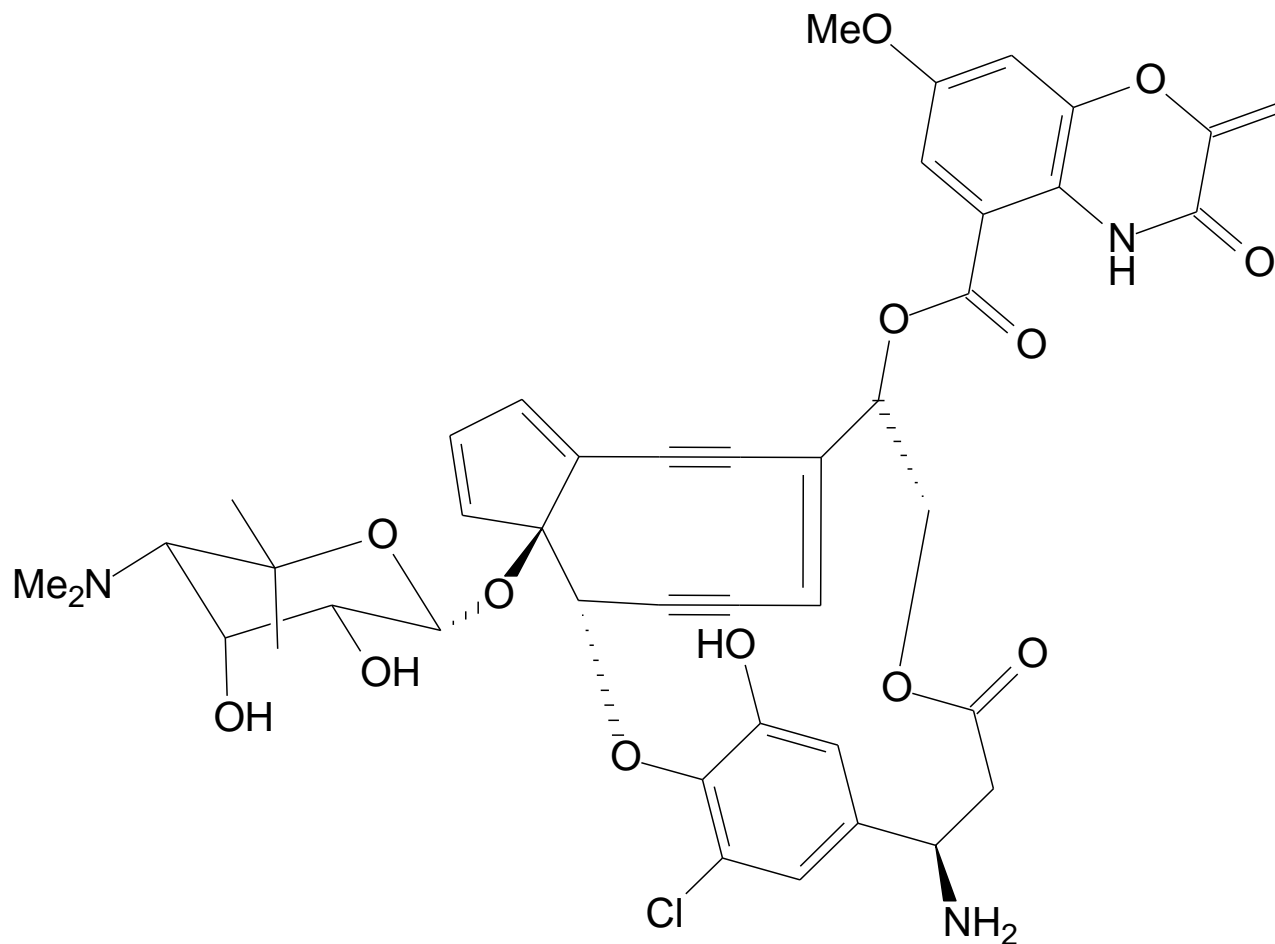


# kedarcidin



Specific single strand DNA cleavage at the C-5' of C

C-1027



Specific double strand DNA cleavage due to C-4' H abstraction

maduropeptin

