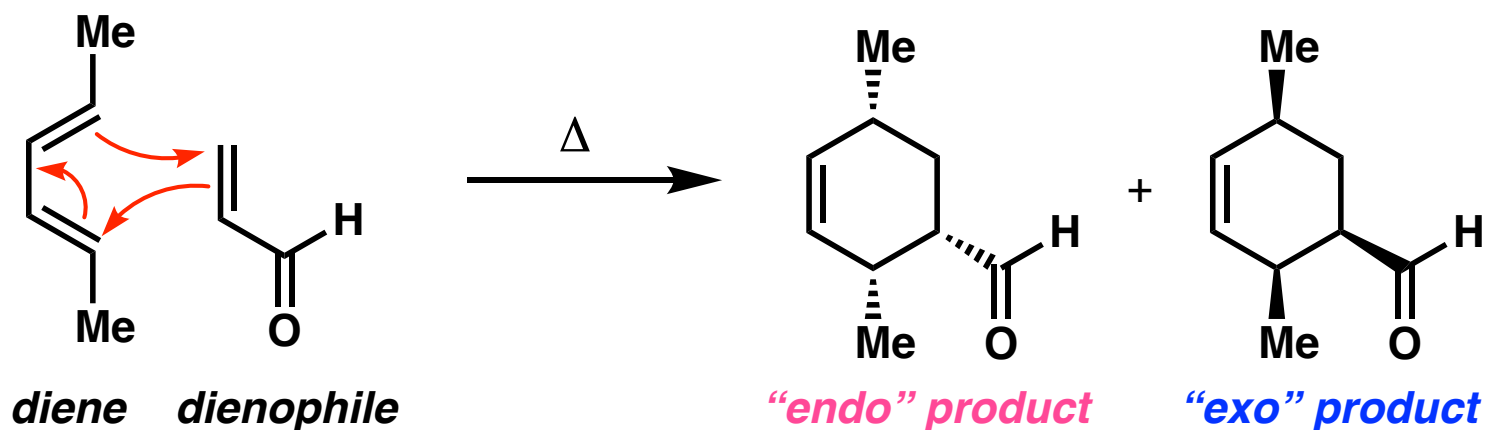
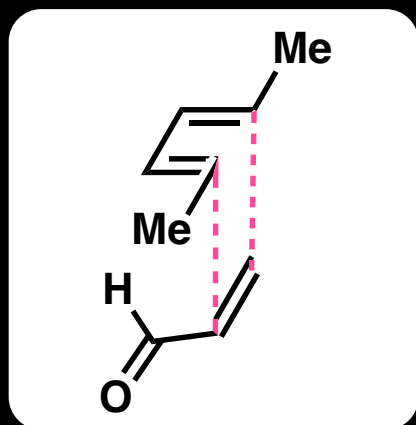


Diels–Alder Reaction

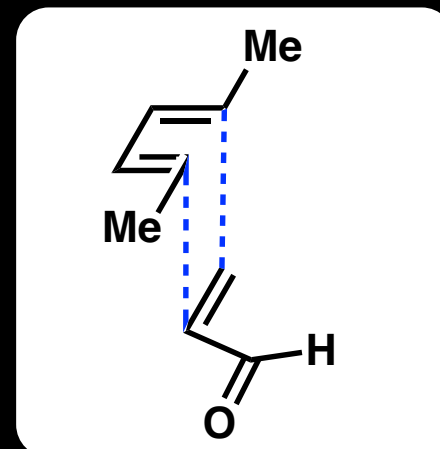


- ★ Why are two products formed?
- ★ Why is the "endo" product favored?

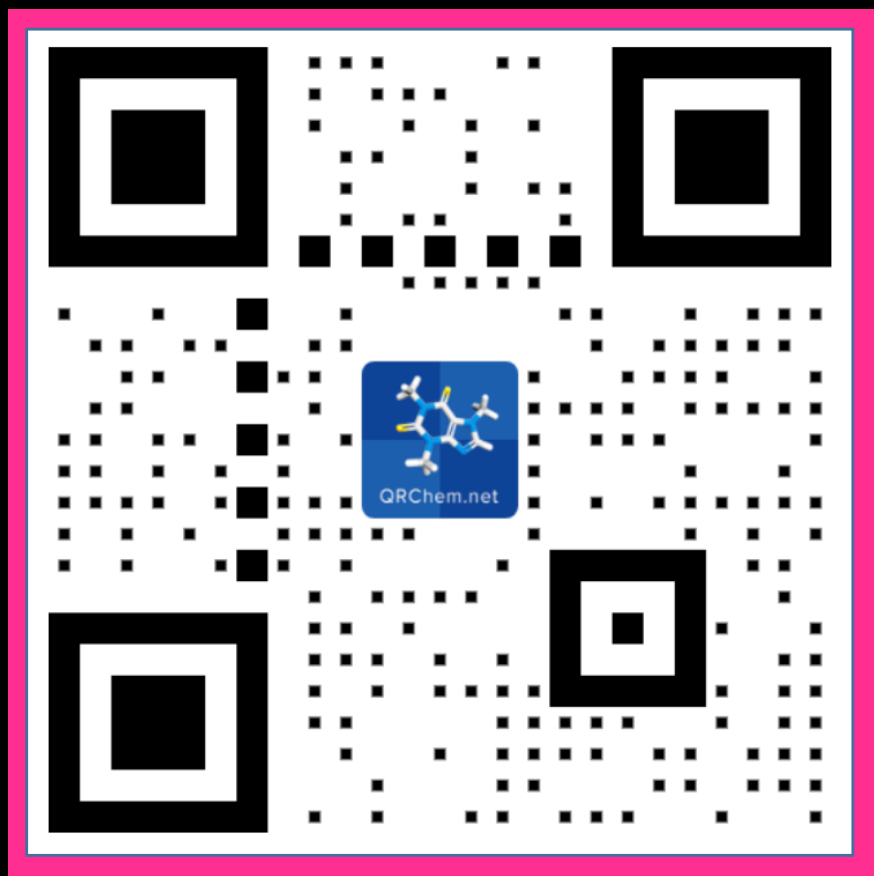


Endo ("inner" in Greek)

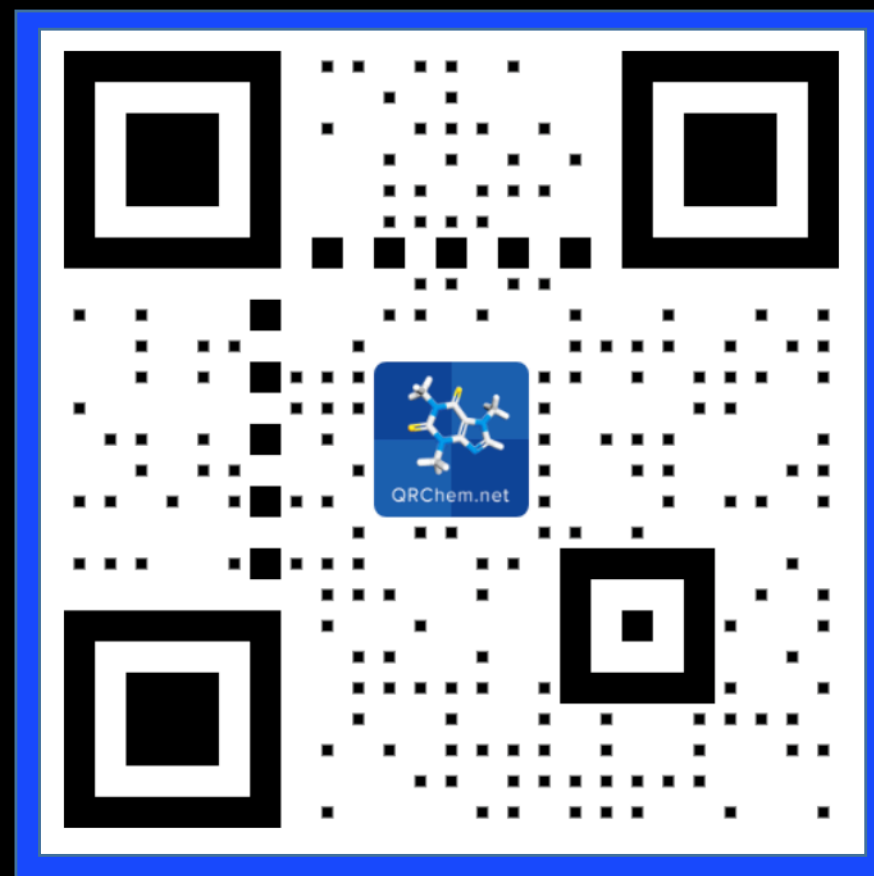
*Dienophile
can approach
in two ways*



Exo ("away from" in Greek)



<http://bit.ly/2JTNx0a>

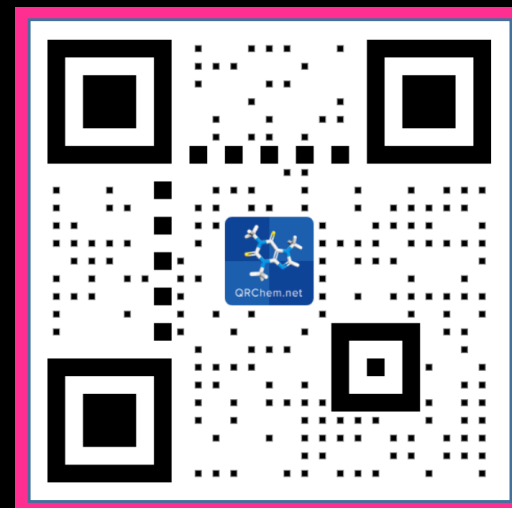
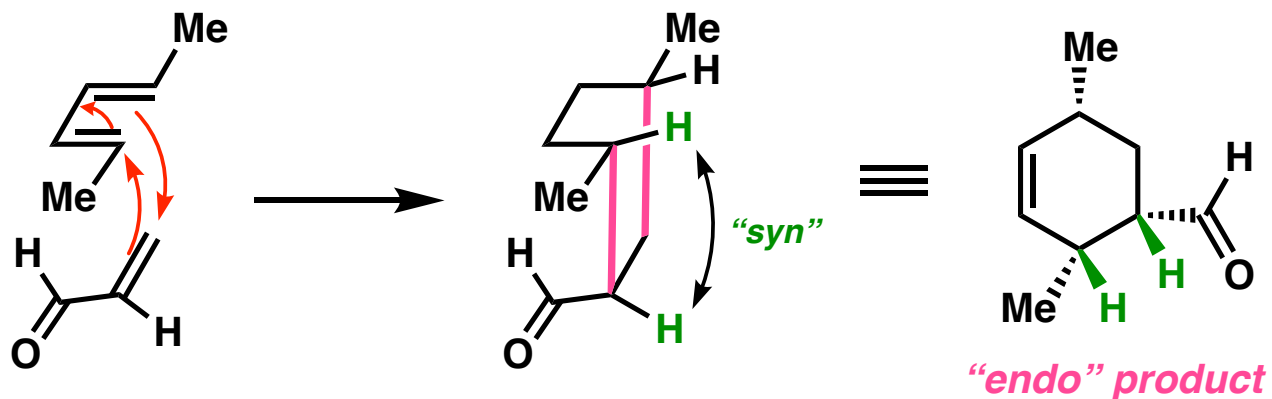


<http://bit.ly/2JTICBI>

From <https://qrchem.net/>

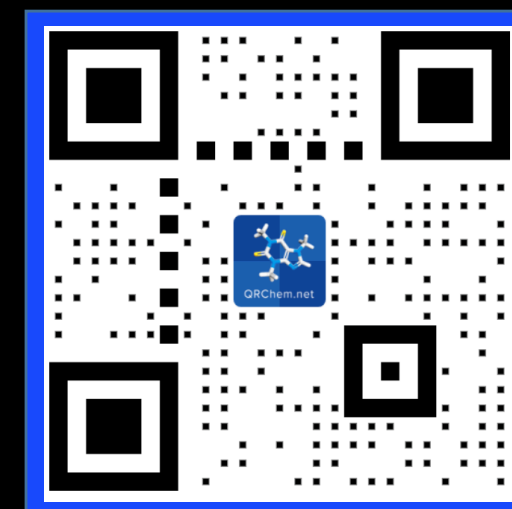
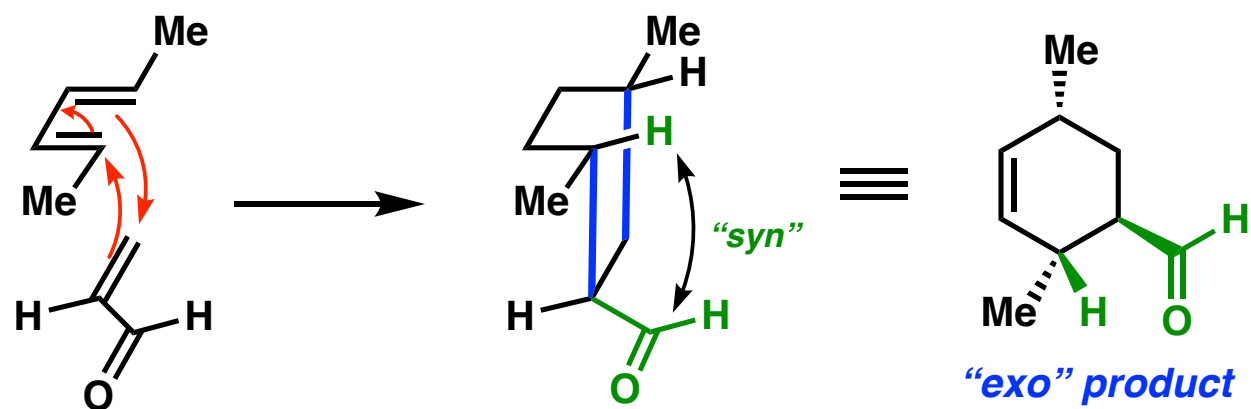
Mechanism of Endo and Exo Pathways

ENDO



<http://bit.ly/2YF2Tci>

EXO



<http://bit.ly/2YHSwEq>

Endo is favored due to additional orbital overlap in transition state:

