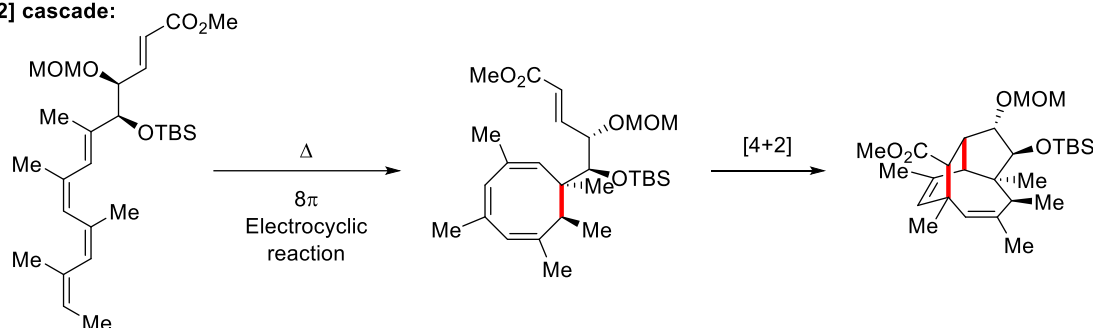


#### Stille-8π-[4+2] cascade:



#### Significance:

Trauner and coworkers reported the first asymmetric bioinspired synthesis of the unusual polyketide tetramic acid PF-1018. An 8π electrocyclization, the product of which is immediately intercepted by a Diels-Alder cycloaddition.

#### Comment:

- The asymmetric addition of Brown's chiral allyl borane
- A bioinspired cascade combines an 8π electrocyclization with a Diels-Alder cycloaddition.
- A three steps & four steps reactions sequence to functionalize the C2/C3 positions.