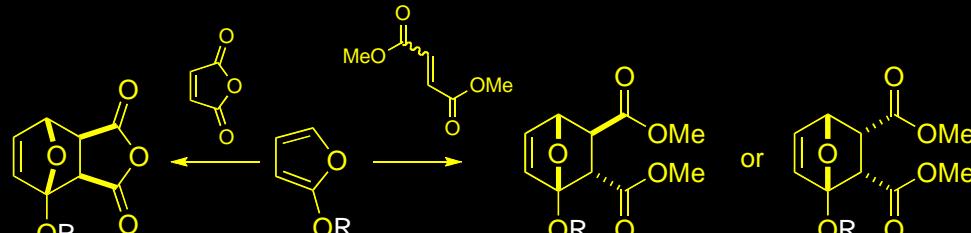


Diels-Alder Reactions of Silyloxyfurans: Scope and Limitations

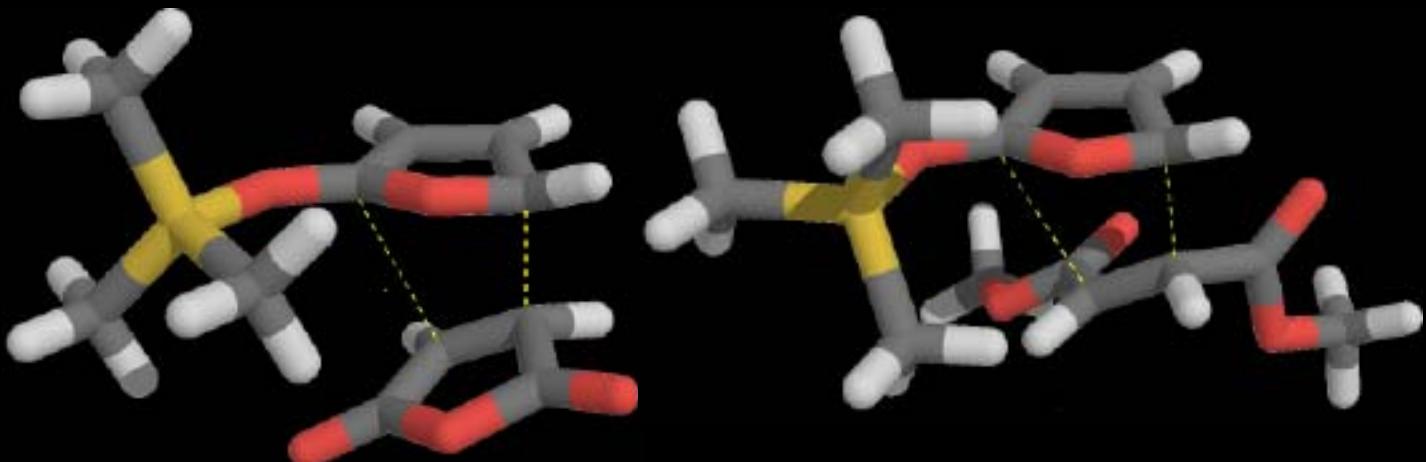
Scott Bur
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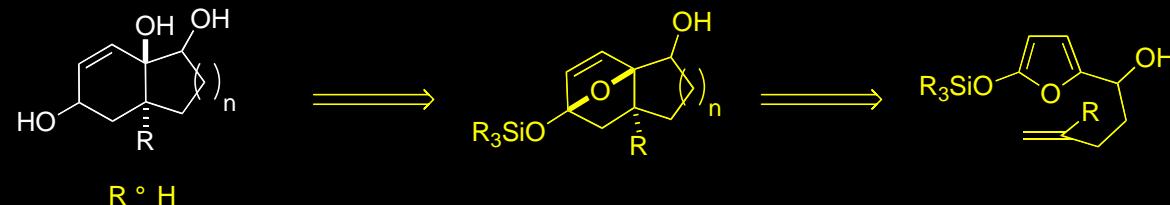
R = TMS; TES; TBS; TIPS

Rate: TMS > TES = TBS > TIPS

Understanding how factors that influence rates and diastereoselectivities of the intermolecular Diels-Alder reaction helps us design efficient intramolecular reactions.



Transition states for the favored diastereomers reveal a structural basis for diastereoselectivity



We are developing an *intramolecular* approach to the core of biologically active natural products