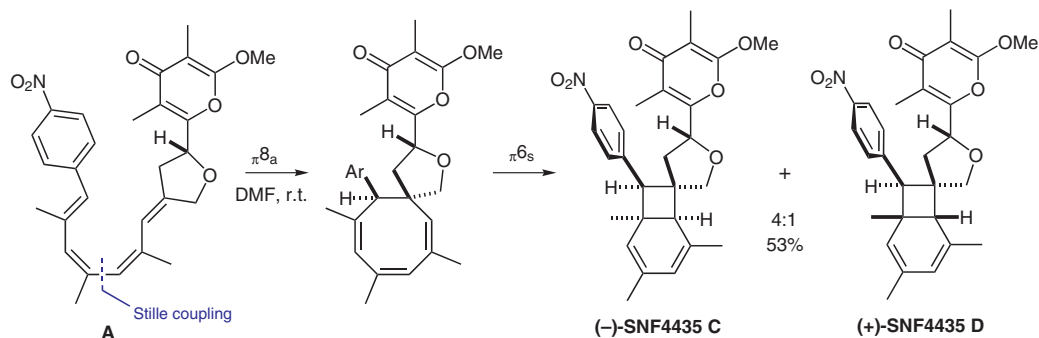


K. A. PARKER,* Y.-H. LIM (STATE UNIVERSITY OF NEW YORK AT STONY BROOK, USA)
The Total Synthesis of (-)-SNF4435 C and (+)-SNF4435 D
J. Am. Chem. Soc. **2004**, *126*, 15968-15969.

Total Synthesis of (-)-SNF4435 C and (+)-SNF4435 D



Significance: SNF4435 C and SNF4435 D are metabolites of *Streptomyces spectabilis* that display immunosuppressant and multidrug resistance reversal activity.

Comment: Parker and Lim adopt a biomimetic approach in which the tetraene (**A**) undergoes first a conrotatory $\pi 8_a$ electrocyclization followed by a disrotatory $\pi 6_s$ electrocyclization under the conditions of the Stille coupling (DMF, room temperature) to give a 4:1 mixture of the diastereoisomeric target molecules. The natural products are isolated as a 2.3:1 mixture (see also: J. E. Moses, R. M. Adlington, R. Rodriguez, S. J. Eade and J. E. Baldwin *Chem. Commun.* **2005**, 1687-1689).