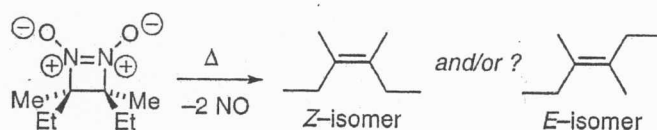


"Thermal Decomposition of *meso*- and *d,l*-3,4-Diethyl-3,4-dimethyldiazetene *N,N'*-Dioxide." Breton, Gary W., Justine E. Nickerson, Anna M. Greene, and Lindsey H. Oliver. *Organic Letters*, 2007, 9(16): 3005-3008.

Abstract



Two stereochemically defined diazetine *N,N'*-dioxides were synthesized. Thermal decomposition at 200° C resulted in 95% retention of stereochemistry in the alkene product relative to the starting stereochemistry. These results suggest that decomposition occurs via cleavage of the two C-N bonds either simultaneously or in rapid succession.