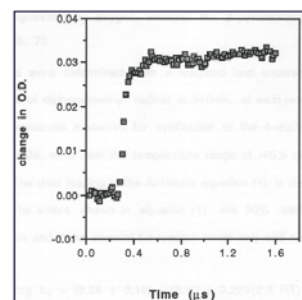
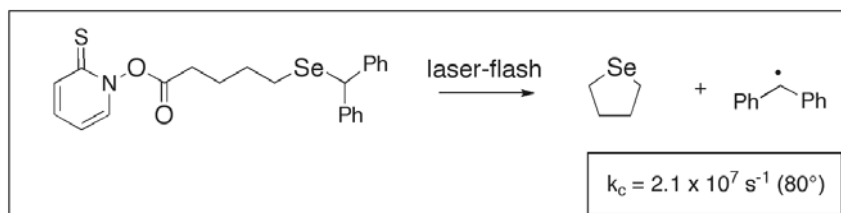


Exploiting Radical Chemistry Involving Chalcogens

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Free radical chemistry has come a long way in a relatively short period of time. Armed with mechanistic and rate constant data, the synthetic practitioner can now apply free radical chemistry to the synthesis of many different classes of target molecule with confidence. This presentation presents accumulated kinetic results for intramolecular homolytic substitution chemistry in a number of systems involving selenium; laser flash as well as competition kinetic data are included. Recent progress in the application of this chemistry to the construction of interesting higher heterocycles, many of which exhibit biological activity will also be provided.

