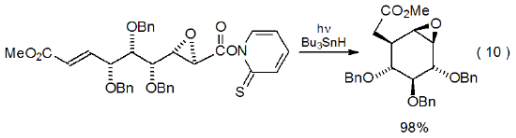
V. Cyclization Reactions

A radical generated from a Barton ester undergoes cyclization if it contains a properly positioned multiple bond (eq 10[50]).[50,51] Such reactions are not common because unless the needed carboxylic acid is readily available, the steps involved in its synthesis often make this process less attractive than others for generating the carbohydrate radical needed for ring formation.



(10)

98%