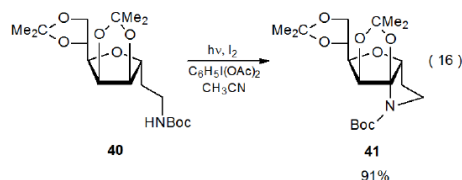
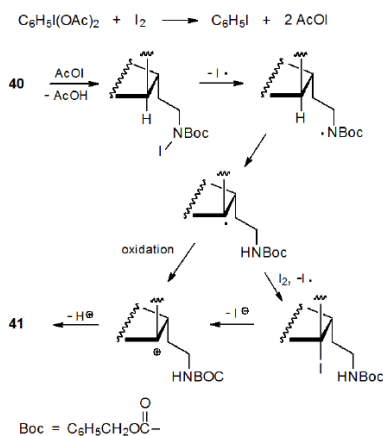


VI. Protected Amines

The benzyloxycarbonyl protected amine **40** reacts with (diacetoxyiodo)benzene–iodine to give a product (**41**) that contains a new ring system (eq 16).⁵⁵ The proposed mechanism for this reaction (Scheme 13) involves internal hydrogen-atom abstraction by a nitrogen-centered radical. Similar internal hydrogen-atom abstraction takes place when a nitrogen-centered radical is generated from a sulfonamide.⁵⁶ Such reactions are reminiscent of the hydrogen-atom abstraction by alkoxy radicals described in Chapter 6.



Scheme 13



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