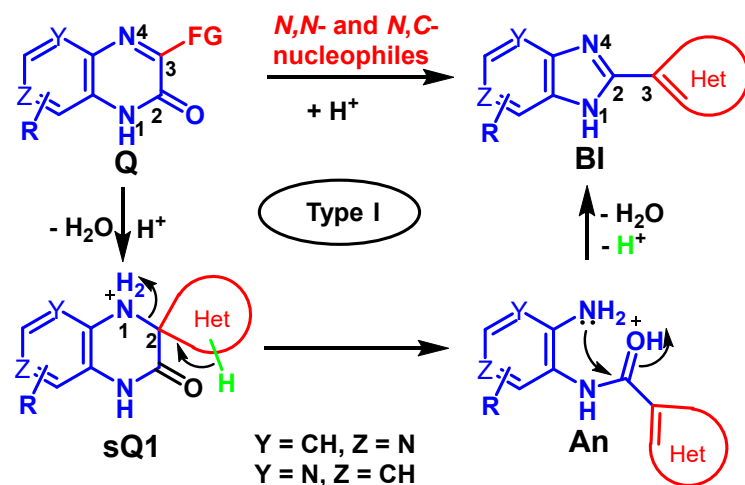
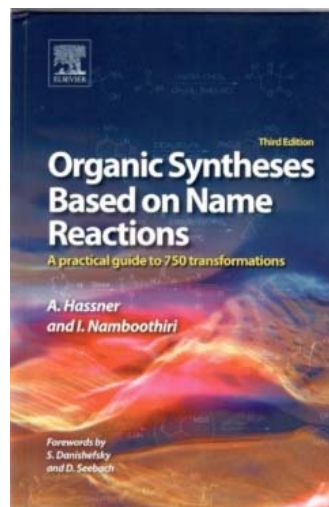


# Two types of rearrangements of quinoxalinones

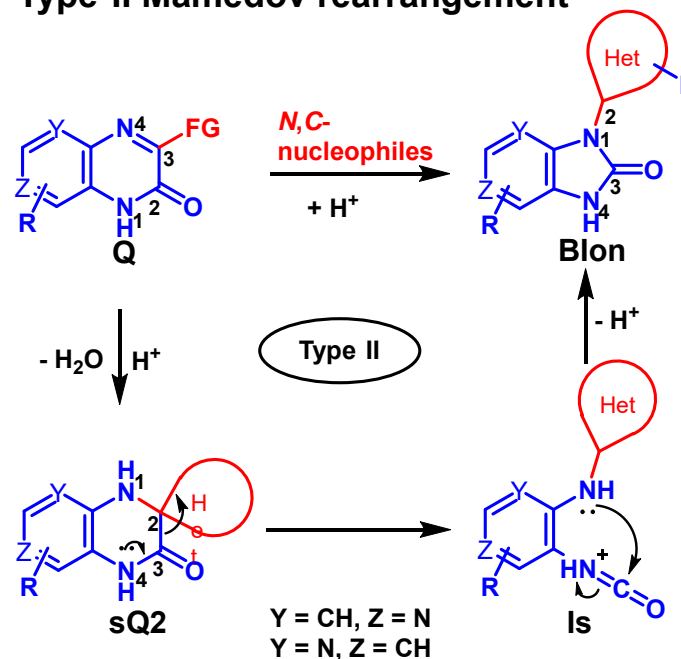
## Type I Mamedov rearrangement



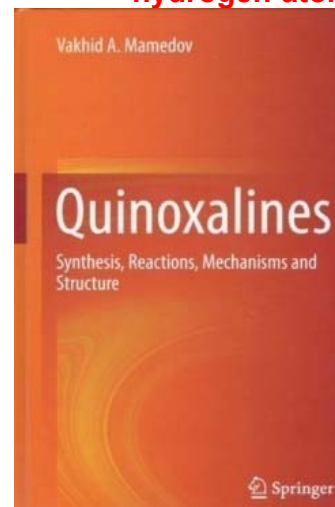
Schematically presentation of the rearrangement via the spiro-quinoxalinones **with at least one mobile hydrogen atom** in the spiro-forming fragment



## Type II Mamedov rearrangement



Schematically presentation of the rearrangement via the spiro-quinoxalinones **without any mobile hydrogen atom** in the spiro-forming fragment



*Synthesis*, 2021, 53, 1849. (review)