Boron Trifluoride Mediated Addition of Nucleophiles to *endo-* and *exo-*Substituted Norbornene Derivatives

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Remote substituent effects on the regioselectivity and stereoselectivity in the boron trifluoride mediated addition of nucleophiles (iodide and bromide) to *endo-* and *exo-*2-substituted norbornene derivatives have been investigated. The main products of the reactions resulted from the regioselective addition of nucleophiles to the double bond of norbornene derivatives. Products resulting from the Wagner-Meerwein type rearrangement were also isolated in considerable amounts. All of the reactions gave the addition products in reasonably good yields with high regioselectivity. The *endo/exo* selectivity, on the other hand, changed depending on the nucleophile and the substrate.

Key words: Remote Substituent Effects, *endo/exo* Selectivity, Regioselectivity, Nucleophilic Additions, π -Facial Selectivity