ABSTRACT

M. Sc. Thesis

ELEKTROPHİLİC BORON COMPOUNDS SYNTHESİS

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Our studies arm of simple structure boron electrophiles which have high reactivite were synthesized because of more boron compounds. The compounds are exit matter of processing new planar-tetra coordination boron compounds, besides which are exit matter for cycloboron and bicycloboron compounds, to for passing boronpolyhedral, it is possible to pass boron polyhedral instructure have more number of boron in result of reactions.

In this studies, abaut have this arm various boron electrophiles synthesized which were bis(dimethylamino)trimethylsilylmethylboron, bis(dimethoxy)trimethyl silylboron, trimethylsilylmethyldicholoroboron phenyldimethylsilyldibromomethyl-dimethoxyboron and 1,2-Diduryl-1-trimethylsilyldibromomethyl-2-dimethylamino-diboranın after this synthesize, ^{13}C-NMR, ^{1}H-NMR and ^{11}B-NMR spectrums are discussed and characterised by taking spectra and using technic which spectroscopic.

This studies are limited because of boron electrophiles which have more sensitive of oxygen and moistre.

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Anahtar Words:

Boron electrophiles, boron mnomer, diboron