

Boron compounds – performant reagents for substitution reaction at the aromatic ring

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Abstract This paper presents a novel approach of the direct synthesis of substituted aromatic compounds in the presence of boron reagents, namely trialkylboranes. An optimization study was performed and its conclusions are included, as well as a theoretic mechanism. Considering these preliminary results, we intend to extend our investigations on aromatic polycondensation oligomers.

Keywords: aromatic substitution, boron compounds, mechanism, optimization.
