



**Development of synthetic protocols for Quarternary Ammonium
Tribromides - A Brief Account**

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ABSTRACT

Quaternary ammonium tribromides have in recent years been looked at as greener alternatives of the toxic reagent bromine and literature reports a number of such tribromide reagents. These reagents are efficient and allow various types of organic transformations to be carried out with environmental benignity. Their applications have been reported for various organic transformations such as bromination of organic substrates, oxidative cyclization reactions, in the construction of heterocycles, acylation reactions, etc. The utility of these reagents has led to the establishment of various methods for their preparation over the years. However, in recent times, environmental protection requirements make it important that a reagent is not only benign in its reactivity, but its method of synthesis should also be environmentally favourable. Thus, a study of the methods in which quaternary ammonium tribromide reagents have been designed and developed of has an importance of its own.

Keywords: Tribromides, environmentally benign, peroxo-mediated, green chemistry.
