

The chemistry of stabilised sulphonium ylides

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Abstract

The review is devoted to the chemistry of stabilised sulphonium ylides, i. e. ylides with substituents at the carbanionic carbon atom capable of delocalising its negative charge. The physical properties of compounds of this class are examined and the methods of synthesis of stabilised sulphonium ylides, their rearrangements, and their reactions with electrophiles and nucleophiles are described. The structures and reactivities of the complexes of stabilised sulphonium ylides with transition metals and their organometallic derivatives are considered. The practical applications of the stabilised sulphonium ylides are indicated. © 1981 IOP Publishing Ltd.

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