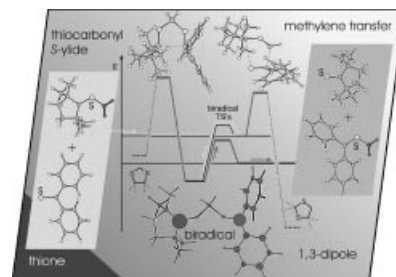


COVER PICTURE

The cover picture shows the potential energy diagram of methylene transfer from 4,4,5,5-tetramethylcyclopentane-thione *S*-methylide to thiobenzophenone via a biradical intermediate which wins over a possible formation of regioisomeric cycloadducts. Methylene transfer reactions together with 1,3-dipolar cycloadditions of other thiocarbonyl *S*-methylides to thiones are described by R. Huisgen et al. on p. 1519ff. DFT calculations on the mechanism of these reactions, concerted or stepwise, are reported by R. Sustmann et al. on p. 1505ff.



MICROREVIEW

Contents

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The Use of Tosylhydrazone Salts as a Safe Alternative for Handling Diazo Compounds and Their Applications in Organic Synthesis

Keywords: Diazo compounds / Hydrazones / Bamford–Stevens reaction / Epoxidation / Aziridination / Cyclopropanation / Olefination / Pyrazoles / Homologation / Ether synthesis

