

Influence of packing of the reactants and products in solution on the volume parameters of the diels-alder reaction

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Abstract

The possible causes of a dramatic difference in the volume parameters (by up to 15-20 cm³ mol⁻¹) of the Diels-Alder reactions involving bulky and small reactants are discussed. The partial molar volumes of anthracene and 9,10-dihydroanthracene and the heats of their solution in six solvents were determined. ©2004 MAIK "Nauka/Interperiodica".

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