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Studying the effect of high pressure on the cycloaddition reactions of maleic anhydride and substituted anthracenes

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Abstract

The kinetics (rate, activation, and volume) of the high-pressure (up to 2500 bar) Diels-Alder reactions of maleic anhydride with 9-phenylanthracene and 9,10-dimethylanthracene in toluene is investigated. © 2013 Pleiades Publishing, Ltd.

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Keywords

activation and reaction volume, high pressure, reaction rate