

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

Kiselev V., Shakirova I., Kornilov D., Kashaeva E., Potapova L., Konovalov A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

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.

<http://dx.doi.org/10.1134/S003602441301010X>

Keywords

activation and reaction volume, high pressure, reaction rate