Thematic Section: Physical-Chemical Researches.	Full Paper
Subsection: Physical Organic Chemistry.	Registration Code of Publication: 10-20-6-27
Publication is available for discussion in the framewo	ork of the on-line Internet conference " <i>Butlerov readings</i> ".

http://butlerov.com/readings/ Contributed: Jule 26, 2010.

Chromatographic retention of thiophene derivatives in HPLC

© Nadezhda S. Emel'yanova, Anna Yu. Demina, and Svetlana V. Kurbatova*+

Department of physical chemistry and chromatography. Samara state university. Acad. Pavlov St., 1. Samara, 443011. Russia. Fax: +7 (846) 334-54-17. E-mail: curbatsv@ssu.samara.ru

*Supervising author; *Corresponding author

Keywords: thiophene, acetonitrile, HPLC, relationships "structure – chromatografic retention".

Abstract

The chromatographic retention of some thiophene derivatives was investigated under conditions of high performance liquid chromatography (HPLC). The values of such substances retention factor were calculated with the use of water mixture and acetonitrile as an eluent in different ratio by volume. Relationship between thiophene derivatives structure and its chromatographic retention has been studied.