

Topology of benzotriazole derivatives

© Sara Ali kyzy Dzhabieva, Irina V. Skvortsova,

Svetlana V. Kurbatova,*⁺ Elena A. Kolosova, and Elena E. Finkelshtein

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@samsu.ru

*Supervising author; ⁺Corresponding author

Keywords: benzotriazole derivatives, topological indices, connectivity, high performance liquid chromatography, sorption-structural correlations.

Abstract

Physicochemical and topological characteristics of benzotriazole derivatives were calculated. Results of investigations of the relationship between topological and physicochemical characteristics of these compounds were shown. The influence of the topology of molecules on their chromatographic retention in the conditions of high performance liquid chromatography was analyzed.