

Sorption of Benzotriazoles under the Conditions of RP HPLC

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Abstract—The results of a chromatographic study of sorption of several benzotriazole derivatives on octadecyl silica gel were reported. The physicochemical and electronic parameters of benzotriazoles were calculated. The effect of the structure of analyte molecules and eluent composition on chromatographic retention of these substances was analyzed.

Keywords: benzotriazole, high-performance liquid chromatography, octadecyl silica gel, acetonitrile.

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