

**ENANTIOSELECTIVE ANALYSES OF TEBUCONAZOLE IN FRUITS AND VEGETABLES
USING LIQUID CHROMATOGRAPHY COUPLED WITH TANDEM MASS SPECTROMETRY
(HPLC-MS/MS)**

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Tebuconazole is a systemic triazole fungicide, which is commonly used against various fungal diseases in cereals, vegetable, fruits and plantations. For the better understanding of tebuconazole and its behavior, it's important to study its enantioseparation. Also, it's crucial to quantify tebuconazole in different agricultural products.

The main goal of the present study was to develop enantioselective method for the analysis of tebuconazole enantiomers in high-performance liquid chromatography using polysaccharide-based chiral columns.

For further analysis in agricultural products the developed method was employed in liquid chromatography coupled with tandem mass spectrometry (HPLC-MS/MS).

In this study tebuconazole enantiomers were detected and quantified in banana, grape berry and bell pepper. Extraction methods were also compared.