

Natural products with antiradical and antioxidant properties

Constantin APETREI and Lucian-Puiu GEORGESCU

"Dunărea de Jos" University, Chemistry Department, 47, Domnească Street, 6200 Galați, Romania

Abstract Ethanol aqueous extract of 6 plants were screened for free radical scavenging activity uses the free radical scavenger capacity of galvinoxyl 2,6-di-tert-butyl- α -(3,5-di-tert-butyl-4-oxo-2, 5-cyclohexadiene-1-ylidene)-p-tolyloxy and GC-SM separation and quantification. The method is precise, accurate, sensitive, and may be used for detection and quantification of radical activity in chemical and biological system. All plants are provided for the natural wild flora from the Moldavian region of Romania and they are used in traditional Romanian medicine and all the plants may be the potential source of free radical scavengers and/or antioxidants from natural plants

Keywords: galvinoxyl, antioxidants, capillary gas chromatography, mass spectra
