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Abstract

Synthesis of Xanthones with Antioxidant Activity

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Abstract: In the search for new antioxidant agents, the present study was focused on the synthesis of a series of diversely substituted xanthones and on their *in vitro* evaluation in their antioxidant properties. This evaluation was based on the scavenging activity method using the stable 2,2-diphenyl-1-picrylhydrazyl (DPPH) free radical. Among the evaluated xanthones, we found that those compounds having a methoxy group and a methyl acetate fragment in their structures exhibited a good antioxidant activity.

Keywords: xanthones, *o*-hydroxyaryl ketones, antioxidant activity, DPPH

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