

**Название публикации:**

Antiradical activity in the series of novel 4-(2,2-dimethylpropanoyl)-3-hydroxy-1,5-diaryl-1,5-dihydro-2H-pyrrol-2-ones: Experimental study and quantum chemical prediction

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**Аннотация:**

The antiradical activity of novel 4-(2,2-dimethylpropanoyl)-3-hydroxy-1,5-diaryl-1,5-dihydro-2H-pyrrol-2-ones: was predicted by means of quantum chemical calculations, by calculating the stability of radicals formed as a result of interaction of the test substances with diphenylpicrylhydrazyl (DPPH). The results of quantum chemical calculations are largely consistent with experimental data of antiradical activity, the regularities between antiradical activity and substituents in the aryl fragments of the test compounds were revealed. © 2018, Pharmainfo Publications. All rights reserved.

**Ключевые слова:**

Antioxidant, Antiquantum chemical prediction, Antiradical, DPPH, Pyrrol-2-ones