



## Investigation of Antioxidant Activity of 3, 5-Dimethoxyaniline Derivatives

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### ABSTRACT

*A series of new 3,5-dimethoxyaniline analogous, 3a-g were prepared and their antioxidant activity was determined. The chemical structure was confirmed by UV-visible, FT-IR and <sup>1</sup>H NMR spectral studies. The structure-activity relationship (SAR) for antioxidant activity was discussed. All the compounds showed DPPH radical scavenging activity, where compounds 3b, 3c and 3d were the best radical scavengers.*

**Keywords:** 3,5-Dimethoxyaniline, AldehydesDPPH, Antioxidant.

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