

Antioxidant Effects of Roots of *Clerodendrum serratum* Linn.

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ABSTRACT

Over the past decade, herbal and ayurvedic drugs have become a subject of world importance, with both medicinal and economical implications. A regular and widespread use of herbs throughout the world has increased serious concerns over their quality, safety and efficacy. Thus, a proper scientific evidence or assessment has become the criteria for acceptance of herbal health claims. In the present study we examined the antioxidant effects of ethanolic extract of roots of *Clerodendrum serratum* (CSR) at various concentrations in the DPPH radical scavenging assay, FRAP assay (Ferric Reducing Antioxidant Power) and the Hydrogen peroxide radical scavenging assay. The results of the present study revealed that the plant extract has significant antioxidant activity and are encouraging for further assessment to elucidate the mechanism of action and to identify the bioactive compounds implicated in the antioxidant effect and the membrane stability.

KEYWORDS

Antioxidant effect . *Clerodendrum serratum* Linn . DPPH (1,1-diphenyl-2-picryl-hydrazil) . Ferric Reducing Antioxidant Power

REFERENCES

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