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Antioxidant properties and prevention of cell cytotoxicity of *Phlomis persica* Boiss

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Abstract:

The free radical scavenging capacity, reducing power and inhibition of β -carotene peroxidation of *Phlomis persica* (PP) extracts was investigated. In addition, the effect of this extract on reduction of the hydrogen peroxide-induced cytotoxicity in non-immortalized fibroblast was examined. The extracts showed free radical scavenging capacity, and the ethyl acetate extract showed marked effect on inhibition of lipid peroxidation similar to that of gallic acid. These results were further supported by a protective effect of *Phlomis* crude extract on H₂O₂-induced cytotoxicity in human non-immortalized fibroblasts.

Keywords:

[Antioxidant activity](#) . [DPPH scavenging](#) . [\$\beta\$ -Carotene bleaching test](#) . [Cell cytotoxicity](#)

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