

Title Evaluation of *Smyrniium cordifolium* for their antioxidant activity from Iran
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Abstract

The ethanolic extracts of one traditionally used Iranian medicinal plant were screened for their antioxidant and free radical scavenging properties using Ferric thiocyanate (FTC) assay and Diphenylpicryl hydrazyl (DPPH) radicals. The antioxidant activity of *Smyrniium cordifolium* showed strong free radical scavenging activity with the DPPH method. The phenolic concentration in this plant was 111.23 mg/gr of dry plant. The fair correlation between DPPH and phenolic content was observed for this plant. The tested plant extract showed promising antioxidant and free radical scavenging activity, thus justifying its traditional use.