Antibacterial Activity and Chemical Composition of the Essential Oil of *Grammosciadium platycarpum* Boiss. from Iran

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The chemical composition of the essential oils obtained from two samples (GP1 and GP2) of *Grammosciadium platycarpum* Boiss. was analyzed by GC and GC-MS. The analysis of the oils resulted in the identification of twenty-two constituents. Linalool (79.0% – GP1, 81.8% – GP2) and limonene (10.0%, 5.8%) were found to be the major components, respectively. The *in vitro* antibacterial activities of these oils and their main compounds against seven Gram-positive and Gram-negative bacteria were investigated. The results exhibited that the total oils and their major components possess strong to moderate activities against all the tested bacteria except for *Pseudomonas aeruginosa*.

Key words: Grammosciadium, Essential Oil, Antibacterial Activity