

New prinsepiol-type lignan from *helianthemum sessiliflorum*

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Helianthemum is a genus of plants including around 110 species, belongs to the Cistaceae family also known as rock rose. This genus is growing in America, Europe and Northern Africa. However, the Mediterranean region is considered its center of diversity. *Helianthemum sessiliflorum* Pers. is one of species of this genus that showed previously anti-inflammatory and analgesic activities. In addition, the aerial parts of this plant are recommended in folk medicine in case of cutaneous lesion. The phytochemical investigation of the AcOEt *n*-BuOH extracts of the aerial parts of *H. sessiliflorum* resulted in the characterization of one new lignan named 1-*O*-acetyl prinsepiol, together with twenty seven known bioactive compounds. Furthermore, the antioxidant and antibacterial activities of different extracts of *H. sessiliflorum* were determined.

Keywords: *Helianthemum sessiliflorum*, Cistaceae, lignans, phenolics, NMR.