

GC/MS Analysis of Some Bioactive Constituents from *Carthamus lanatus* L.

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Sterols, triterpenes, volatiles, polar and other constituents in aerial parts of *Carthamus lanatus* were analyzed by gas chromatography-mass spectrometry. Over 90 compounds were identified most of them new for the species. Sitosterol and stigmasterol were the most abundant of 10 sterols identified in the sterol fraction. Taraxasterol, α - and β -amyrine prevailed in the triterpene fraction. Volatiles, sterols and a fraction of the dichloromethane extract showed strong cytotoxicity (*Artemia salina* assay).

Key words: *Carthamus lanatus*, GC/MS Analysis, Cytotoxic Activity