

***In vitro* Anti-inflammatory Effect of *Carthamus lanatus* L.**

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The anti-inflammatory activity of four total extracts, their fractions and two main constituents (α -bisabolol β -D-fucopyranoside and luteolin 7-*O*-glucoside) of *Carthamus lanatus* L. aerial parts, were assessed *in vitro* by determining the inhibitory effects on induced human neutrophils. The dichloromethane extract and its water-alcoholic part exhibited the most significant inhibitory effects.

Key words: *Carthamus lanatus*, Anti-inflammatory Activity, Neutrophils