

Oxygenated Bisabolane Fucosides from *Carthamus lanatus* L.

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The aerial parts of *Carthamus lanatus* (Asteraceae) afforded four new oxygenated bisabolane fucosides, 10-hydroperoxy-bisabola-2,11-diene 7-*O*- β -D-fucopyranoside, 11-hydroperoxy-bisabola-2,9-diene 7-*O*- β -D-fucopyranoside, 10-hydroxy-bisabola-2,11-diene 7-*O*- β -D-fucopyranoside and 11-hydroxy-bisabola-2,9-diene 7-*O*- β -D-fucopyranoside together with the known compounds α -bisabolol β -D-fucopyranoside, asperuloside, sitosterol 3-*O*- β -D-glucoside and stigmasterol 3-*O*- β -D-glucoside. Asperuloside appears to be the second representative of the iridoid monoterpene group found in the plant family Asteraceae, which until recently was considered to lack iridoids. The main constituent α -bisabolol fucoside exhibited noticeable antibacterial and cytotoxic activities.

Key words: *Carthamus lanatus*, Sesquiterpene Fucosides, Asperuloside