

Influence of the Parasite *Viscum cruciatum* Sieber on the Chemical Constituents of *Crataegus monogyna* Jacq.

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A phytochemical study of two plant species, *Viscum cruciatum* Sieber and *Crataegus monogyna* Jacq., was completed to investigate the influence of the parasite *Viscum cruciatum* on the host *Crataegus monogyna*. The study was carried out with two samples and consisted of hexane extracts of the *Viscum cruciatum* parasitizing on *Crataegus monogyna* and *C. monogyna*. In these samples ursolic acid, β -sitosterol and a triterpene fraction were found that contained mainly butyrospermol (3β -lanost 8, 24-dien, 3-ol), 24-methylene-24-dihydrolanosterol (24-methylene- 5α -lanost-8-en- 3β -ol), cycloartenol (9β , 19-cyclo- 5α , 9β -lanost-24-en- 3β -ol), β -amyirin (olean-12-en- 3β -ol) and several aliphatic alcohols identified as the C₁₈ to C₃₀ members of the 1-alkanol homologous series.

β -Amyirin acetate was only isolated from *Viscum cruciatum* and was not found in *Crataegus monogyna*.