

Essential oil composition of *Achillea eriophora*, *A. Nobilis*, *A. Biebersteinii* and *A. Wilhelmsii* from Iran

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Abstract

The major composition of the essential oils of these species from aerial parts growing wild in Iran analysed by GC and GC-MS. The essential oil of *Achillea eriophora* DC. Were identified and major compounds were camphor (30.4%), 1,8-cineol (20.2%) and camphene (1.21%). The essential oil of *A. nobilis* L. subsp. *neilreichii* (Kemer) Fomanek was found to contain: *a-thujone* (34.06%), 1,8-cineole (14.14%) and *b-cedren epoxide* (9.63%) as the major constituents. The major compounds of *A. biebersteinii* Afan. were 1,8-cineole (32.82%), *carvacrol* (10.80%) *piperitone* (7.34%). The oil of *A. wilhelmsii* C. Koch. was characterized by higher amounts of camphor (19.66%), 1,8-cineole (9.06%) and *a-pinene* (10.00%). The results showed that 1,8-cineole in all species is major compound.

Reaxys Database Information

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