

## Chemical composition of the volatile oil from *Ferula ovina* (Boiss.) Boiss. - Rech. fruits

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### Abstract

Among the *Ferula* species, *Ferula ovina* is a sweet-smelling plant. The hydrodistilled essential oil from the dried fruits of *Ferula ovina* was analyzed by GC-MS. Forty-five components, representing 99.0 % of the oil was characterized. The major components were  $\alpha$ -pinene (37.4 %),  $\beta$ -phellandrene (10.8 %), isobornyl acetate (9.2 %),  $\alpha$ -fenchene (8.9 %), myrcene (8.8 %),  $\gamma$ -elemene (4.7 %) and  $\beta$ -pinene (4.1 %). The chemical compositions of the oils obtained from aerial parts and fruits were different, especially in the percentage of  $\alpha$ -pinene and in the presences of  $\alpha$ -fenchene, isobornyl acetate and  $\gamma$ -elemene.

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### Reaxys Database Information

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### Author keywords

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