

# **The Bioactive Essential Oil of *Heracleum sphondylium* L. subsp. *ternatum* (Velen.) Brummitt<sup>#</sup>**

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The essential oil of *Heracleum sphondylium* L. subsp. *ternatum* (Velen.) Brummit (Umbelliferae) was isolated from crushed seeds by means of hydrodistillation and analyzed by GC and GC/MS. Major components were identified as 1-octanol (50.3%), octyl butyrate (24.6%), and octyl acetate (7.3%). Furthermore, antimicrobial activity of the oil was evaluated using microdilution broth and agar diffusion methods. The bioactive constituent of the essential oil was determined as 1-octanol by using a bioautography assay.

*Key words:* *Heracleum sphondylium* subsp. *ternatum*, Essential Oil, Antimicrobial Activity