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## Acta Medica Iranica

2009;47(4) : 71-74

### Composition of the essential oil of *Phlomis olivieri* Benth. from north of Iran

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#### Abstract:

The composition of hydrodistilled essential oil from aerial parts of *Phlomis olivieri* Benth. (Lamiaceae), were analyzed by GC and GC-MS. Twenty two constituents, representing 93.6% of the oil of *P. olivieri* were identified. The main compounds were germacrene D (66.1%),  $\beta$ -selinene (5.1%), b-caryophyllene (4.2%) and  $\alpha$ -pinene (4.2%). A comparison of the composition of this oil with other oils of *P. olivieri* from different regions showed that germacrene D and  $\beta$ -caryophyllene are main compounds of all oils.

#### Keywords:

Germacrene D

TUMS ID: 2376

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