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## Acta Medica Iranica

2009;47(4) : 115-121

### PHYTOCHEMICAL STUDY OF PHLOMIS OLIVIERI BENTH. AND PHLOMIS PERSICA BOISS

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#### Abstract:

Ethyl acetate and n- butanol fractions obtained from the column chromatography of methanolic extract of aerial parts of *P. olivieri* gave chrysoeriol-7-O- $\beta$ -D-glucoside (I) and verbascoside (II), respectively. In addition, two flavonoid glycosides as compound (I) and chrysoeriol-7- $\beta$ -D- (3''-E-p-coumaroyl) glucoside (III) and one iridoid glycoside, namely, lamiide (IV) were isolated from the ethyl acetate, ether and n- butanol fractions of a methanolic extract of aerial parts of *Phlomis persica*, respectively. Isolation and structural elucidation of compounds were accomplished by PTLC, CC, HPLC and spectroscopic methods (UV, FTIR, EIMS, <sup>1</sup>H-NMR, <sup>13</sup>C-NMR, DEPT, <sup>1</sup>H- <sup>1</sup>H COSY, HMQC and HMBC).

#### Keywords:

[Phlomis persica](#) . [Flavonoid](#) . [Phenylpropanoid](#) and [Iridoid glycosids](#)

TUMS ID: 2747

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