

Chemical constituents and biological studies of *Origanum vulgare* Linn.

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ABSTRACT

Bioassay-guided isolation of methanolic extract of the leaves of *Origanum vulgare* Linn., yielded two protocatechuic acid ester derivatives, origanol A (1) and origanol B (2) along with ursolic acid (3), oleanolic acid (4), beta-sitosterol (5), and triacontanol (6). Structures of the compound were established based on physical and spectral data (UV, IR, ¹H and ¹³C NMR and mass). Origanol A (1) showed significant mushroom tyrosinase inhibition activity.

KEYWORDS

Origanum vulgare Linn . origanol A and B . triterpene acids . tyrosinase inhibition . beta-sitosterol

REFERENCES

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