

PP38. BENZODIOXOLS FROM *FERULA LAPIDOSA*

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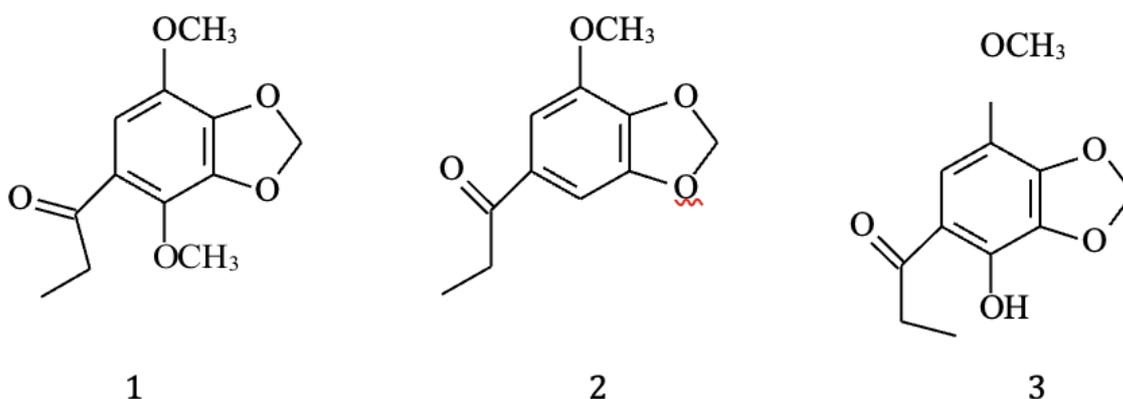
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Ferula lapidosa Eug. Korov. refers to one of the plants richest in terpenoids and coumarins of the genus *Ferula* (family *Apiaceae*). Species of the genus are found in the flora of Central Asia, China and in the flora of India. The genus *Ferula* includes over 200 species. 50 species of this genus grow in Uzbekistan. *Ferula lapidosa* is an endemic plant for Central Asia [1-2].

The plant was extracted, collected during the flowering period, at room temperature with ethanol. The combined alcoholic extract was evaporated in vacuo. The resulting amount was chromatographed on a column of silica gel in gradient systems of extraction gasoline-ethyl acetate (25:1-6:1). As a result of chromatographic separation, three compounds were isolated. Structure of isolated substances 4,7-dimethoxy-5-(propanonyl)benzo[d][1,3]dioxol (1), 7-methoxy-5-(propanonyl)benzo[d][1,3]dioxol (2) and 4-hydroxy-7-dimethoxy-5-(propanonyl)benzo[d][1,3]dioxol (3) were found based on their NMR spectral data (¹H, ¹³C NMR and using DEPT, HSQC, HMBC).

These compounds from *F. lapidosa* are isolated for the first time.



REFERENCES

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