

Terpenoids, coumarins of plants of *Ferula L* from flora of central Asia and their biological activity

K. A. Eshbakova

S.Yu.Yunusov Institute of the Chemistry of Plant Substances, Republic of Uzbekistan

The flora of Central Asia is very rich and well known with medical plants. Among them there are also the plants of *Ferula* genus. Perennial herbs the *Ferula L* (Apiaceae family), including 150 species, are widely distributed in the world. The flora of Central Asia includes about 100 species and is widely used in the folk medicine as anticancer, antimicrobial, various diseases and estrogen activity. The coumarins, flavonoids and sesquiterpenoids were isolated from genus *Ferula*. The results of chemical studies of *Ferula* genus species - *Ferula jaeschkeana* Vatke, *Ferula samarcandica*, *Ferula tenuisecta* Eug. Kor, *Ferula kuhistanica* Korov, *Ferula involucrata*, *Ferula feruloides* and *Ferula ovina* from flora of Central Asia: various chemical composition at these plants, the structures of isolated compounds (including new compounds) and also their biological activity will be presented in the report.

Biography

K. A. Eshbakova has completed her PhD in 1997 at the age 37 years from Acad. S.Yu.Yunusov Institute of the Chemistry of Plant Substances of the Academy Sciences of the Republic of Uzbekistan. She initially worked as young scientific researcher, later since 1995 she was a scientific employee, and since 1998 she is a senior researcher fellow in the Institute. She has published more than 27 papers in reputed journals as Chemistry of Natural Compounds, Medicinal plants.

e_komila@yahoo.com