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UDC 547.92

A petroleum ether extract of the flower heads of the plant *Leucanthemum vulgare* Lam. (family Compositae), which grows widely in the territory of the Georgian SSR, was chromatographed on a column of alumina. The material isolated by elution with petroleum ether-benzene (1:1) was rechromatographed on a column of type KSK silica gel, and the substance isolated was shown by TLC analysis in the benzene-diethyl ether (7:3) system [1] and color reactions (Lieberman-Burchard) to be of sterol nature and to belong to the group of 4-methyl sterols. The GLC analysis of the mixture of sterols was carried out on a Chrom-41 chromatograph. The stationary phase used was 3% of OV-1 on Chromaton (0.20-0.25 mm) at a rate of flow of helium of 30 ml/min with a column temperature of 260°C. Analysis showed the presence of six components: (1), 2.1%; (2), 6.3%; (3), 5.7%; (4), 13.3%; (5) 4.0%; and (6) 68.6%. The relative amounts of the components were calculated from the areas of their peaks. The dominating sterol in the mixture was compound (VI) (68.6%).

Mass spectrum of compound (6) (LKB-9000), m/z : M^+ 426, 408, 393, 327, 310, 273, 267, 245, 227.

The results of a comparison of the retention times of the sterols obtained and also the nature of the fragmentation in the spectrum with information in the literature [2-4] showed that compound (VI) was 24-ethylidenelophenol.

LITERATURE CITED

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