

From the epigeal part of *Artemisia gmelini* Web. (Gmelin's wormwood) collected in Altai and in the environs of Tomsk, by the method of K. S. Rybalko et al. [1] we have isolated a faintly yellowish crystalline substance with mp 205°C (from ethanol) [2]. Solutions of the substance in water, ethanol, and chloroform exhibit a bright-blue fluorescence in daylight and UV light.

When this substance was compared with scopoletin by ascending paper chromatography on Leningrad M paper, similar R_f values were obtained in the following systems: n-butanol-acetic acid-water (4:1:5) (0.90); isopropanol-ammonia-water (8:1:1) (0.55-0.60); and 15% acetic acid (0.50). IR spectrum: 3340, 3140 cm^{-1} (OH), 1720 (α, β double bond of a δ -lactone ring); and 1615, 1575, and 1515 cm^{-1} (double bonds of an aromatic ring) [3].

UV spectrum, λ_{max} (in ethanol): 255, 312, and 245 nm.

A mixture of the substance under investigation with an authentic sample of scopoletin gave no depression of the melting point.

LITERATURE CITED

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