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The present paper gives the results of a partial synthesis of (\pm) -pranferol.

By the reduction of isoxypeucedanin, obtained by the isomerization of natural oxypeucedanin with 20% sulfuric acid, in methanol with sodium tetrahydroborate we obtained substance (I), $C_{16}H_{16}O_5$, mp 111-112°C (from benzene), $[\alpha]_D^{20} \pm 0^\circ$ (chloroform), R_f 0.66 (Al₂O₃ of activity grade Π in the ethyl acetate system).

The IR spectrum of (I) conicided completely with that for pranferol [1]. A mixture with an authentic sample gave no depression of the melting point.

The acetylation of (I) with acetic anhydride in pyridine formed an acetyl derivative (II), $C_{18}H_{18}O_6$, mp 116.5-117.5° C (from petroleum ether), R_f 0.86 [Al₂O₃, activity grade II, ethyl acetate-benzene (1:2) system] In the IR spectrum of the latter the hydroxy group absorption band had disappeared and in addition to the band of the C=O group of an α -pyrone ring (1730 cm⁻¹) the absorption band of an ester carbonyl group had appeared (1740 cm⁻¹).

LITERATURE CITED

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