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LAURACEAE

TERPENES FROM *LINDERA ERYTHROCARPA*

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Plant. *Lindera erythrocarpa* Makino. *Source.* Ehime Prefecture, Japan. *Uses.* Not known. *Previous work.* None.

Leaves. The essential oil (3.8 g, d_4^{25} 0.8606, n_D^{25} 1.4793, 0.06% yield) was isolated from the fresh leaves (6.3 kg) by steam distillation. Caryophyllene (19.7%) and geranyl acetate (31.7%) were isolated by preparative GLC (Carbowax 20 M-20%, at 160°) and identified by IR and NMR. The presence of α -pinene (6.8%), camphene (4.4%), β -pinene (2.1%), limonene (6.4%) and bornyl acetate (5.9%) were confirmed by GLC (PEG-6000-3%, 50-HB-2000-3% at 60-160°). Unknown constituents (23%).

Key Word Index—*Lindera erythrocarpa*; Lauraceae; terpenes; geranyl acetate; caryophyllene.

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TERPENES FROM *LINDERA GLAUCA*

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Plant. *Lindera glauca* (Sieb. et Zucc) Blume. *Source.* Hiroshima Prefecture, Japan. *Uses.* Not known. *Previous work.* None.

Leaves. The essential oil (120 mg, n_D^{25} 1.4972, 0.054% yield) was isolated from the fresh leaves (2.2 kg) by steam distillation. 1,8-Cineole (8.2%), caryophyllene (15.3%), and bornyl acetate (5.4%) were isolated from the oil by preparative GLC (Carbowax 20 M-20% at 150°) and identified by IR and NMR. Camphene (0.9%), β -pinene (1.1%), limonene (0.8%), were confirmed by GLC (Carbowax 20 M-3%, PEG-6000-3%). Unknown constituents (68.1%).

Key Word Index—*Lindera glauca*; Lauraceae; terpenes; caryophyllene.

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TERPENES FROM *LITSEA JAPONICA*

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