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LEGUMINOSAE

CHEMICAL EXAMINATION OF THE BARK AND SAPWOOD OF
DALBERGIA LATIFOLIA

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Plant. *Dalbergia latifolia* Roxb.

Uses. Furniture and cabinet work; parts of the tree as stimulant, appetiser and also for diarrhoea and leprosy,

Previous work. Heartwood.¹⁻³

Bark. (Petroleum (60-80") extract): *Triacontane*⁴ (Major, m.p., mixed m.p., *m/e* 450); *Acetyloleanolic acid*⁵ (m.p., mixed m.p., IR, NMR); β -*Sitosterol* (m.p., mixed m.p., [α]_D, IR); ' γ -*Sitosterol*' (= mixt. of β -sitosterol and campesterol) (m.p., mixed m.p., [α]_D, IR); *Dalbergichromene*⁶ (m.p., mixed m.p., IR, TLC); (*R*)-4-methoxydalbergione⁷ (m.p., mixed m.p., [α]_D, IR, TLC); (*R*) *Latifolin*¹ (m.p., mixed m.p., IR, TLC); Lupeol (m.p., mixed m.p., IR NMR). (CHCl₃ extract): *Methyldalbergin*⁸ (m.p., mixed m.p., IR, TLC); *Dalbergin*⁸ (m.p., mixed m.p., IR, TLC).

Sapwood (Petroleum extract): *Acetyloleanolic acid*⁵ (Major, m.p., mixed m.p., IR, NMR); ' γ -*Sitosterol*' (β -sitosterol and campesterol) (m.p., mixed m.p., [α]_D, IR); (*R*) *Latifolin*¹ (m.p., mixed m.p., IR, TLC); R-4-Methoxydalbergione⁷ (m.p., mixed m.p., [α]_D, IR, TLC). (Acetone extract): *Methyldalbergin*⁸ (m.p., mixed m.p., IR, TLC); *Dalbergin*⁸ (m.p., mixed m.p., IR, TLC).

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