NOTES

## Chemical Examination of Acacia Ieucophloea Willd.

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ACACIA leucophloea Willd. (Mimosoidae) is a moderate-sized tree found in dry forest tracts of Peninsula and Punjab plains. The bark of the tree is used in bronchitis, biliousness and also for tanning purpose<sup>1</sup>.

Fresh flowers of *A. leucophloea* were extracted and fractionated in the usual way<sup>3</sup>. The ether fraction indicated the presence of four aglycones which were separated by ppc and subjected to pc, uv, <sup>1</sup>H and <sup>13</sup>C nmr spectral studies.

The most polar component was characterised as myricetin by comparison with an authentic sample. The next less polar one was identified as quercetin by pc, uv and <sup>1</sup>H nmr spectral studies. The third component was identified as 3'-hydroxy-7-methoxyisoflavone by pc, uv, colour reactions and <sup>18</sup>C nmr

spectral studies. The least polar fraction has been characterised as apigenin from its comparison with an authentic sample. A yellow solid (m.p. 250-52°) that separated was investigated. The chemical and spectral (uv, <sup>1</sup>H and <sup>13</sup>C nmr) studies suggested it to be apigenin-8-C-glucoside which was further confirmed by comparison with an authentic sample.

## References

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