

**FUROCOUMARINS ISOLATED FROM *FERRONIA ELEPHANTUM* (FAMILY RUTACEAE)**

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A large number of Coumarins have been isolated from the plants belonging to the family Rutaceae. In this paper we report the isolation of three furocoumarins, Psoralen, Bergapten and Nodakenetin from the Petroleum ether extract of the bark of *Ferronia elephantum*. The structures were established on the basis of IR, NMR and Mass spectral data and direct comparison with authentic specimens. In addition to the three furocoumarins we have also isolated  $\gamma$ -sitosterol.

Furocoumarins are of interest as they show strong photosensitizing effect. The photosensitizing effects of certain plants like (*Psoralea corylifolia* (Bodi) are made use of in the Ayurvedic treatment of leucoderma. *Psoralea corylifolia* has psoralen as the major constituent.

**References:**

1. Jois, H. S., Manjunath, B. L. and Venkata Rao, S. (1963) J. Indian Chem. Soc. 10, 41.