

COUMARINS OF PAMBURUS MISSIONIS STEM BARK

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The stem bark of Pamburus missionis (Family Rutaceae), 'synonymous with Atalantia missionis) has previously been shown to contain the coumarin, ostruthin, the alkaloid, atalaphylline and sitosterol.^{1,2} We now report the presence of three more coumarins in its stem bark.

The methanol extract of P. missionis stem bark contained the pyranocoumarin, xanthyletin, previously reported from its seed extract,² while its dichloromethane extract contained a new coumarin and imperatorin³ in addition to xanthyletin and the main constituent, ostruthin. The new coumarin was very similar to ostruthin in its spectral data and believed to differ only in the stereochemistry of the side-chain. Therefore the cis-ostruthin structure is proposed for the compound.

References:

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