

E2-31: New acridone alkaloid from *Pleiospermium alatum*

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The Rutaceae family of plants produce some 13 basic alkaloid types and the acridon-9-one (acridone) group of alkaloids represents a class specific to the Rutaceae. They are found in various genera of this family. In earlier communications, the isolation and structure elucidation of acridone alkaloids, coumarins and limonoids from the stem bark and the root bark of *Pleiospermium alatum* were reported. Further investigation on the dichloromethane extract of the root bark of the same plant led to the isolation of a yellow crystalline compound, dec. above 110°C, which was identified as 1,3,5-trihydroxy-2-methoxy-10-methyl-9-acridone (I) from spectral data and chemical conversions. The structure was confirmed by NOE studies.

To our knowledge, this is the first report of the alkaloid I as a natural product.