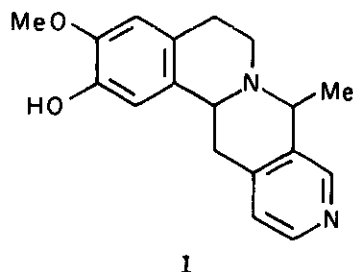


ALAMARIDINE, A NOVEL ISOQUINOLINE ALKALOID FROM ALANGIUM LAMARCKII THW.

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The versatility of Alangium lamarckii Thw. (Alangiaceae) in producing alkaloids is well-established. Thus, the so-called Ipecac alkaloids with varied substitution pattern in ring A, the isoquinoline - β -carboline hybrids, their biogenic intermediates and pyridobenzoquinolizine - a new class of alkaloids, have earlier been reported¹ from different parts of this plant. More recently, we encountered a unique protoberberine alkaloid, bharatamine², devoid of any oxygen function in ring D clearly indicating its genesis from a monoterpenoid precursor, a pathway hitherto unknown.



We now report yet another new biogenetically interesting pyridobenzoquinolizine alkaloid designated as alamaridine(I), m.p. 196^o, from the same source in 0.0001% yield. The structure elucidation and the biogenesis of the compound will be presented.

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1. E. Ali, R. R. Sinha, B. Achari and S. C. Pakrashi, Heterocycles, **19**, 2301 (1982) and the references cited therein.
 2. S. C. Pakrashi, R. Mukhopadhyay, P. P. Ghosh Dastidar, A. Bhattacharjya and E. Ali, Tetrahedron Letters, **24**, 291 (1983).