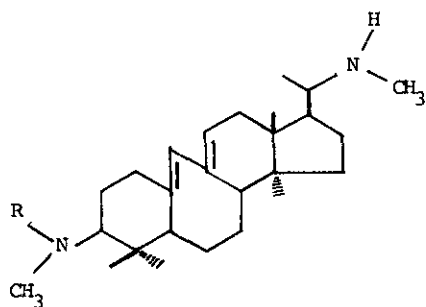


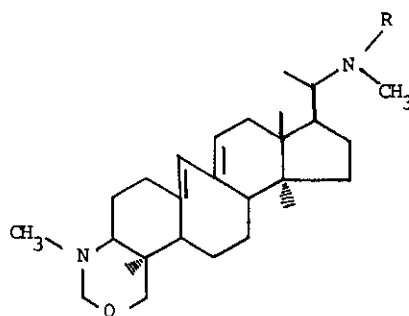
ISOLATION AND STRUCTURE OF NEW ALKALOIDS FROM *BUXUS PAPILOSA*

Atta-ur-Rahman, Mehrun Nisa, S.Farhi and T.Z.Ismail  
 H.E.J. Research Institute of Chemistry  
 University of Karachi, Karachi-32/Pakistan.

As a results of systematic isolation and structural studies carried out on *Buxus papilosa*, several new alkaloids have been isolated and their structures established on the basis of spectroscopic studies. They are "papilamine" (1), "papilicine" (2), "moenjodaramine" (3) and "harappamine" (4). "Moenjodaramine" (3) and "harappamine" (4) are the first representative members of a new class of pentacyclic natural products bearing both a tetrahydrooxazine ring and a 9(10→19) *abeo*-diene system.



Papilamine (1): R=H  
 Papilicine (2): R=CH<sub>3</sub>



Moenjodaramine (3): R=CH<sub>3</sub>  
 Harappamine (4): R=H