

A SYNTHETIC PATHWAY TO STRYCHNOS, ASPIDOSPERMA, SCHIZOZYGANE
AND EBURNAMONINE ALKALOIDS BY WAY OF THE NOVEL PHOTOISOMERIZATION

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The novel photoisomerization of 1-acylindoles accompanied by a conversion of indole to indolenine afforded 3-acylindolenines to be the so far unknown reactive species as a major product. This reaction was thoroughly investigated and applied with success to the total synthesis of *Strychnos*, *Aspidosperma*, *Schizozygane* and *Eburnamine* alkaloids through the versatile intermediate of nine membered ring system (1) synthesized in a one pot reaction by photolysis and the simultaneous ring enlargement, which is summarized in the following Chart.

