

## Alkaloids from *Piper sarmentosum* and *Piper nigrum*

### ABSTRACT

Detailed chemical studies on the roots of *Piper sarmentosum* and *Piper nigrum* have resulted in several alkaloids. The roots of *P. sarmentosum* gave a new aromatic compound, 1-nitrosoimino-2,4,5-trimethoxybenzene (1). *Piper nigrum* roots gave pellitorine (2), (E)-1-[3',4' (methylenedioxy)cinnamoyl]piperidine (3), 2,4-tetradecadienoic acid isobutyl amide (4), piperine (5), sylvamide (6), cepharadione A (7), piperolactam D (8) and paprazine (9). Structural elucidation of these compounds was achieved through NMR and MS techniques. Cytotoxic activity screening of the plant extracts indicated some activity.

**Keyword:** *Piper nigrum*; *Piper sarmentosum*; Alkaloids; Cytotoxic