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| Thesis Title | Isolation and Structure Elucidation of Alkaloids from the Roots of <i>Strychnos nux-blanda</i> |
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ABSTRACT

The thesis describes the isolation and structure elucidation of alkaloids from the roots of *Strychnos nux-blanda* (Loganiaceae). Four monoterpenoid indole alkaloids were isolated from this plant. All of them were known compounds identified as brucine (I), β -colubrine (II), *N*-chloromethyl brucine (III) and brucine *N*-oxide (IV). Their structures were determined mainly by NMR spectroscopy. This is the first report of the isolation of these four alkaloids from the roots of this plant.



