

A new Cytotoxic Carbazole Alkaloid from *Clausena excavata*

Abstract

A new carbazole alkaloid, 3-carbomethoxy-2-hydroxy-7-methoxycarbazole, Clausine-TY (1), together with two known carbazole alkaloids, Clausine-H (2) and Clausine-B (3), were isolated from the ethyl acetate extract of the stem bark of the Malaysian *Clausena excavata*. The structures of these compounds were elucidated by spectroscopic analyses. The new carbazole alkaloid shows significant cytotoxicity against CEM-SS cell line.

Keyword: *Clausena excavata*, Rutaceae, Stem bark, Carbazole alkaloid, Anticancer activity