

3936188 SCOC/M : MAJOR : ORGANIC CHEMISTRY;

M.Sc. (ORGANIC CHEMISTRY)

KEYWORDS : EUPHORBIACEAE / GLYCOSIDE / PHYLLANTHUS

ACIDUS / CYTOTOXICITY

NAMPHUNG VONGVANICH : BIOACTIVE COMPOUNDS FROM ROOT OF PHYLLANTHUS ACIDUS SKEELS. THESIS ADVISORS : YODHATHAI THEBTARANONTH, Ph.D., SHULEEWAN RAJVIROONGIT, Ph.D., PRASAT KITTAKOOP, Ph.D., 107 P. ISBN 974-662-716-3

The thesis describes the isolation and identification of bioactive compounds from root of *Phyllanthus acidus* (EUPHORBIACEAE). Two new glycosides: MY002 and MY003, were isolated. Both compounds exhibited cytotoxicity against BC₃ cell line. The chemical structures were determined by using NMR spectral data as well as chemical degradation.