

Glycosylated stigmasterol from the rind of *Napoleonaea imperialis*

Gloria Ihuoma NDUKWE*, Ibiba Reuben JACK, and Rachael Elijah EKONG

Department of Chemistry, Rivers State University, Port Harcourt, Nigeria

Abstract. *Napoleonaea imperialis* rinds were separated from the seeds and extracted via maceration using methanol. The crude methanol extract was partitioned with *n*-hexane and dichloromethane to yield *n*-hexane fraction (11.01 g), dichloromethane fraction (35.16 g) and methanol fraction (101.75 g). Dichloromethane fraction was chromatographed and purified to give a compound whose structure was elucidated using one-dimension and two-dimension nuclear magnetic resonance (NMR) experiments. The isolated compound was characterized as glycosylated stigmasterol.

Keywords: *Napoleonaea imperialis*; rind; chromatography; saponins; glycosylated stigmasterol.

* Corresponding author. *E-mail address:* gloria.ndukwe@ust.edu.ng (Gloria Ihuoma Ndukwe)