

Title: **-SECONDARY METABOLITES FROM THE MEDICINAL PLANT HELICHRYSUM PANDURATUM**

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Molecules possessing good pharmacological activities of plant origin have shown great potential in the control of diseases which is afforded by the presence of secondary metabolites *viz*. terpenoids, alkaloids, saponin-glucosides, flavonoids, anthraquinones found in various plant parts plants. Thus, natural products-based ethnomedicine has blossomed with considerable success over the years. *Helichrysum panduratum* from the genus *Helichrysum* (Asteraceae) is used in folk medicine to treat malaria in children as well as part of a decocotion in the treatment of febrile convulsion. This present study seeks to identify the secondary metabolites in *Helcihrysum panduratum*. Phytochemical investigation of the methanol and ethyl acetate extracts of the stem bark of *Helichrysum panduratum* led to the isolation of eight secondary metabolites *viz*, sterol, saponin glucoside, pyrone, phenol glucoside, three triterpenoids and homoisoflavanone. This is the first report of homoisoflavanone in the genus.

Biography

Funsho Oyetunde-Joshua is currently a PhD candidate under the supervision of Dr. Roshila Moodley from the School of Chemistry and Physics University of KwaZulu Natal westville campus Durban. she holds a master degree in Pharmaceutical Chemistry and a bachelor degree in chemistry. her research work is on the phytochemistry of some south Africa medicinal plant and their biological activities

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