

**Chemical constituents and biological activities of *Glycosmis chlorosperma* var. *Elmeri* (Merr.) stone (Rutaceae)**

**ABSTRACT**

Detailed investigation on the leaves and barks of *Glycosmis chlorosperma* has led to the isolation and identification of a chalcone, dihydroglychalcone (1) and three sulphones - dambullin (2), sakambullin (3) and methylgerambullin (4), along with the common triterpene, stigmasterol. Compounds (1) (2) and (3) showed cytotoxic activity towards CEM-SS T-lymphoblastic cell lines. However, only dambullin (2) showed activity against pathogenic bacteria and fungi. We wish to report the isolation and bioassay results of the crude extracts and pure compounds.

**Keyword:** Antimicrobial; Antioxidant; Cytotoxic; *Glycosmis chlorosperma*; Rutaceae