

Iridoid Glucosides with Insecticidal Activity from *Galium melanantherum*

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The insecticidal activity of the endemic species *Galium melanantherum* was evaluated against *Crematogaster scutellaris* ants and *Kaloterms flavicollis* termites. Iridoid glucosides **1–7** were isolated for the first time as metabolites of the investigated plant, along with the coumarin scopolin. The main components of the extract were found to be the non-acetylated iridoids: geniposidic acid (**1**), 10-hydroxyloganin (**2**), deacetyldaphylloside (**3**), monotropein (**4**), deacetylasperulosidic acid (**5**) and scandoside (**6**), while asperulosidic acid (**7**) was present only in minute quantities. All isolated metabolites were identified on the basis of their spectral data. Laboratory bioassays revealed significant levels of toxicity for **1–4** against *Kaloterms flavicollis* termites and *Crematogaster scutellaris* ants.

Key words: *Galium melanantherum*, Iridoids, Insecticidal Activity