[Chemical constituents of the roots of Ormocarpum sennoides subsp. zanzibaricum](https://www.sciencedirect.com/science/article/pii/S0305197820303823)

Authors

Duncan Mutiso Chalo, Esezah Kakudidi, Hannington Origa-Oryem, Jane Namukobe, Katrin Franke, Abiy Yenesew, Ludger A Wessjohann

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Description

Phytochemical investigation of the roots of *O. sennoides* subsp. *zanzibaricum* Brenan & J.B. Gillett resulted in the isolation of three biflavonoids (trime-chamaejasmin, (+)- chamaejasmin, (+)-liquiritigeninyl-(I-3,II-3)-naringenin), one bi-4-phenyldihydrocoumarin (diphysin), one isoflavan (glabridin), one triterpenoid (3-*O*-acetyloleanoic acid) and a phytosterol (β-sitosterol). Compounds were identified by detailed MS, 1D and 2D NMR spectroscopic analyses. Their absolute configurations were elucidated based on ECD spectra. The previously undescribed trime-chamaejasmin represents a bis-epi-chamaejasmenin C diastereomer. The chemophenetic significance is discussed in detail. The results contribute to the phytochemical characterization of the genus *Ormocarpum* and suggest a close chemophenetic relationship with other genera within the subfamily Papilionoideae. Furthermore, this report provides baseline …