## Effects of Limonoids from Cipadessa fruticosa on Fall Armyworm

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Z. Naturforsch. **64c**, 441–446 (2009); received October 14/December 9, 2008

Six mexicanolide limonoids isolated from the dichloromethane extract of the fruits of Cipadessa fruticosa Blume (Meliaceae) were evaluated against Spodoptera frugiperda (J. E. Smith). Gedunin was used as a positive control. When incorporated into an artificial diet of neonates at 50.0 mg kg<sup>-1</sup>, febrifugin A showed 73.3% mortality. All the compounds showed moderate insecticidal activity, except for ruageanin A, when compared with the control. Febrifugin also showed growth inhibition and antifeedant activities (at 100.0 mg kg<sup>-1</sup>). The correlation between the insecticidal activity of the isolated compounds and their chemical structure was discussed.

Key words: Limonoids, Cipadessa fruticosa, Spodoptera frugiperda