

# A New Oviposition Deterrent to the Leafminer, *Liriomyza trifolii*: Cucurbitane Glucoside from *Momordica charantia*

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A new cucurbitane glucoside, 23-*O*- $\beta$ -D-glucopyranosyl-7-hydroxy-3-*O*-malonylcucurbita-5,24-dien-19-al, named momordicine V, has been isolated from *Momordica charantia* leaves, along with the previously reported compounds, momordicines I, II, IV and 3-*O*-malonylmomordicine I. The structure of the new compound was established on the basis of spectral analysis, as well as by its conversion to momordicine II by alkaline catalyzed hydrolysis. Momordicine V deterred significantly the oviposition by *L. trifolii* on host plant leaves treated at 26.16  $\mu\text{g}/\text{cm}^2$  leaf surface.

**Key words:** *Liriomyza trifolii*, Oviposition Deterrent, Momordicine V