



# Lupeol-3-O-decanoate, a New Triterpene Ester from *Cadaba farinosa* Forssk. Growing in Saudi Arabia

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## Abstract:

A new triterpene ester (1) together with eight known compounds (2-9) were isolated from the leaves of *Cadaba farinosa* Forssk. Their chemical structures were established on the basis of physical, chemical, and spectroscopic methods (IR, 1D and 2D NMR, and mass spectral analyses) to be: lupeol-3-O-decanoate (1), lupeol (2),  $\beta$ -sitosterol (3), ursolic acid (4), 12-aminododecanoic (5), dillenetin-3-O- $\beta$ -D-glucopyranoside (6), stachydrine (7), 3-hydroxy-stachydrine (8), and quercetin-3-O- $\beta$ -D-glucopyranoside (9). That is the first report for the isolation of compound 5 from a plant source. Compounds 5, 6, and 9 were evaluated for their antioxidant activity.

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