

# Constituents of *Acacia cedilloi* and *Acacia gaumeri*. Revised Structure and Complete NMR Assignments of Resinone

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The rare lupene derivative named resinone has only been isolated before from *Fluorensia resinosa*. We now report the isolation of this compound from the bark of the new recently described *Acacia cedilloi* (Fabaceae), and the revision of its structure to 16 $\beta$ -hydroxylup-20(29)-en-3-one, based on NMR and MS spectral data. The detailed <sup>1</sup>H and <sup>13</sup>C NMR assignments of resinone and its acetate achieved by 1D and 2D NMR experiments (including DEPT, COSY, HMQC and HMBC) are reported. In addition, the study of *A. cedilloi* and *A. gaumeri* afforded the known related lupenes lupeol and lupenone, the acyclic squalene, the sterols  $\beta$ -sitosterol, stigmasta-7,22-dien-3 $\beta$ -ol (spinasterol) and stigmasta-5,22,25-trien-3 $\beta$ -ol (22-dehydroclerosterol) as well as  $\alpha$ -tocopherol and  $\beta$ -carotene.