

Seco-, nor-, normal and rearranged labdanes from *Haplopappus parvifolius*

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The aerial parts of *Haplopappus parvifolius* afforded 30 new diterpenes including 21 labdane derivatives, four nor-diterpenes, three rearranged ones, four seco-labdanes and one with a new carbon skeleton whose structure was established by partial synthesis. All structures were elucidated by high field NMR spectroscopy and other spectroscopic techniques. Biogenetic relationships are discussed briefly. © 1991.