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Methoxyflavonoids from *Pinaropappus roseus*

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Abstract: Three rare methoxyflavonoids, rhamnazin 3-O-rutinoside (1), rhamnocitrin 3-O-rutinoside (2) and isorhamnetin 3-O-rutinoside (3), were isolated from the methanolic extract of *Pinaropappus roseus* together with 2 well-known flavonoids, quercetin 3-O-rutinoside (=rutin) (4) and kaempferol 3-O-rutinoside (5). The structures of the isolated compounds were elucidated on the basis of UV, 1D and 2D NMR and FAB-Mass spectral analysis. Free radical scavenging activities of the isolated compounds were also demonstrated. This is the first report on the chemical composition of the genus *Pinaropappus*.

Key Words: *Pinaropappus roseus*, Asteraceae, rhamnazin 3-O-rutinoside, rhamnocitrin 3-O-rutinoside, isorhamnetin 3-O-rutinoside, flavonoids

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