



A Novel Phenolic Acid Compound from *Portulaca oleracea* L. and its Antioxidant Activity

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SUMMARY. A novel phenolic acid compound, 4-(2,4-dihydroxyphenoxy)-4-oxobutanoic acid, was isolated from *Portulaca oleracea* L. Its structure was elucidated via spectroscopic methods including UHPLC-ESI-TOF-MS, 1D and 2D NMR. In addition, this compound presented scavenging activity in 1,1-diphenyl-2-picrylhydrazyl (DPPH) radical quenching assay, with the IC₅₀ value of 30.13 ± 0.18 μM.

RESUMEN. Un nuevo compuesto fenólico ácido, el ácido 4- (2,4-dihidroxifenoxi) -4-oxobutanoico, se aisló de *Portulaca oleracea* L. Su estructura se dilucidó mediante métodos espectroscópicos que incluyeron UHPLC-ESI-TOF-MS, 1D y 2D NMR. Además, este compuesto presentó actividad depuradora en el ensayo de extinción de radicales 1,1-difenil-2-picrilhidrazilo (DPPH), con un valor de IC₅₀ de 30,13 ± 0,18 μM.

KEY WORDS: antioxidant activity, phenolic acid, *Portulaca oleracea* L.

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