

A new naphthoic acid from *Portulaca oleracea* L. and its Activities

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SUMMARY. A new naphthoic acid, named oleraceacid, identified as 4-hydroxy-3,7-dimethoxy-1-naphthoic acid was isolated from *Portulaca oleracea* L. The structure of the new compound was elucidated via UH-PLC-ESI-Q-TOF/MS, 1D NMR and 2D NMR. The compound presented antioxidant activity with IC₅₀ of 26.49 µg/mL and antiacetylcholinesterase activity with IC₅₀ of 25.95 µg/mL.

RESUMEN. Se aisló un nuevo ácido naftoico, denominado oleraceácido, identificado como ácido 4-hidroxi-3,7-dimetoxi-1-naftoico, de *Portulaca oleracea* L. La estructura del nuevo compuesto se dilucidó a través de UHPLC-ESI-Q-TOF/MS, RMN 1D y RMN 2D. El compuesto presentó actividad antioxidante con IC₅₀ de 26,49 µg/mL y actividad antiacetilcolinesterasa con IC₅₀ de 25,95 µg/mL.

KEY WORDS: antiacetylcholinesterase activity, antioxidant activity, new naphthoic acid, *Portulaca oleracea* L.

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