Bioactive xanthones and flavonoids from the twigs of *Maclura fruticosa*

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Abstract: A new xanthone, maclurafruticosone (1), along with 14 known compounds (2-15) were isolated from the twigs of *Maclura fruticosa*. All compounds were characterized by NMR spectroscopic methods as well as by comparisons with literature data. Some isolated compounds were evaluated for their antioxidant, α-glucosidase inhibitory and cytotoxic activities. To the best of our knowledge, this is the first report of the phytochemical investigation of this plant.

Keywords: *Maclura fruticosa*; Xanthone; Flavonoid; Bioactive compounds

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