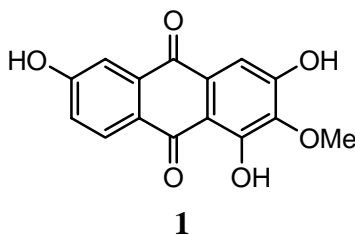


INVESTIGATION OF THE FRUITS OF *MORINDA CITRIFOLIA* (NONI) FOR POTENTIAL CANCER CHEMOPREVENTIVE ACTIVITIES

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Noni, *Morinda citrifolia* L. (Rubiaceae), is an ethnobotanically important plant from tropical Polynesia and is growing in popularity as a dietary supplement.¹ It is currently being marketed for a wide-range of ailments, including the treatment and prevention of diabetes, cancer, and arthritis. In our continuing investigation of botanical dietary supplements for potential cancer chemopreventive activities, we performed a bioassay-guided examination of the chloroform fraction from the methanol extract of the powderized fruit. This phytochemical investigation led to the isolation of over ten compounds, including one new anthraquinone **1** (1, 2-methoxy-1,3,6-trihydroxyanthraquinone). All compounds were identified using spectroscopic and physical data and tested in relevant bioassays for cancer chemoprevention.



1. Su, B.-N.; Pawlus, A.D.; Jung, H.-A.; Keller, W.J.; McLaughlin, J.L.; Kinghorn, A.D. *J. Nat. Prod.* **2005**, *68*, 592-595.

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