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SULFUR-CONTAINING ARISTOLOXAZINES AND OTHER CONSTITUENTS OF THE ROOTS OF ARISTOLOCHIA ORBICULARIS

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Six never isolated compounds: two sulfur-containing aristoloxazines (1–2), one aristolactam (3) and three sesquiterpenes (4–6) were identified, along with 26 known compounds from the roots of *Aristolochia orbicularis*. The structure of these 32 compounds was established based on their spectroscopic and spectrometric data. This is the first occasion that sulfur-containing aristoloxazines are isolated from a natural source. Furthermore, aristoloxazine A (1) possesses strong *in vitro* antimicrobial activity against all resistant *Staphylococcus aureus* and fungi tested.

Biography

María Yolanda Rios has completed his PhD from National Autonomous University of Mexico (UNAM) and Postdoctoral studies from The College of Pharmacy at the University of Iowa. She is the director of Centro de Investigaciones Químicas at Morelos State University (UAEM) in Mexico. She has published two book chapters and 86 papers in reputed journals (Citations 1256, h-index 21 and i10index 46)..

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