



Zeaxoxazolinone, a New Antifungal Agent from *Zea mays* Roots

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Abstract:

A new 7-methoxy-2-benzoxazolinone dimer named zeaxoxazolinone (2), together with four known compounds; 9-Z-hexadecenoic acid (1), 6-methoxy-benzoxazolinone (3), gallic acid (4), and β -sitosterol-3-O- β -D-glucopyranoside (5) were isolated from *Zea mays* L. roots. The structural elucidation of isolated metabolites was established on the basis of UV, IR, 1D, 2D NMR, and MS spectral analyses. Compound 2 exhibited a potent antifungal activity against *Aspergillus flavus*, *Fusarium oxysporum*, and *Candida albicans*.

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