Cytotoxic alkaloids from *Fusarium incarnatum* associated with the mangrove tree *Aegiceras corniculatum*.

Ding L, Dahse HM, Hertweck C (2012) Cytotoxic alkaloids from *Fusarium incarnatum* associated with the mangrove tree *Aegiceras corniculatum*. *J Nat Prod* 75(4), 617-621.

Details

PublMed

Abstract

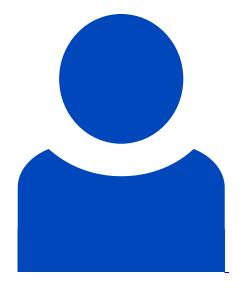
Several unusual alkaloids, N-2-methylpropyl-2-methylbutenamide (1), 2-acetyl-1,2,3,4-tetrahydro-β-carboline (2), fusarine (3), fusamine (4), and 3-(1-aminoethylidene)-6-methyl-2H-pyran-2,4(3H)-dione (5), were isolated from the culture broth of Fusarium incarnatum (HKI0504), an endophytic fungus of the mangrove plant Aegiceras corniculatum. Compounds 2, 4, and 5 exhibit weak antiproliferative and cytotoxic activities against HUVEC, K-562, and HeLa human cell lines, respectively.

Beteiligte Forschungseinheiten

Biomolekulare Chemie Christian Hertweck Mehr erfahren

Infektionsbiologie Peter F. Zipfel Mehr erfahren

Leibniz-HKI-Autor*innen



Hans-Martin Dahse

Details



Christian Hertweck

Details

Identifier

doi: 10.1021/np2008544

PMID: 22439674