# Xyloneside A: A new glycosylated incisterol derivative from *Xylaria* sp. FB.

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**Abstract**

Xylaria species are prolific natural product producers. Here, we report the characterization of a new glycosylated incisterol derivative, called xyloneside A ( 1 ) and two known lignans ( 2 and 3 ) from the ascomycetous Xylaria sp. FB. The structure of xyloneside A ( 1 ) was determined by 1D and 2D nuclear magnetic resonance spectra, high-resolution electrospray ionization mass spectrometry and electronic circular dichroism measurements. Xyloneside A ( 1 ) is composed of a 1,2,3,4,5,10,19-heptanorergosterane skeleton and a β- D-mannopyranose moiety. This is the first report of an incisterol derivative from an Ascomycete. The biological effects of the isolated metabolites on cytotoxicity, autophagy, cell-migration, and angiogenesis were evaluated.

## Involved units

Chemical Biology of Microbe-Host Interactions Christine Beemelmanns Read more

## Leibniz-HKI-Authors



**Christine Beemelmanns**

Details



**Nina Kreuzenbeck**

Details

## Topics

Secondary metabolites from insect-associated microbes

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