

Natural products from microbes associated with insects.

Beemelmans C, Guo H, Rischer M, Poulsen M (2016) Natural products from microbes associated with insects. *Beilstein J Org Chem* 12, 314-327.

[Details](#)



Abstract

Here we review discoveries of secondary metabolites from microbes associated with insects. We mainly focus on natural products, where the ecological role has been at least partially elucidated, and/or the pharmaceutical properties evaluated, and on compounds with unique structural features. We demonstrate that the exploration of specific microbial–host interactions, in combination with multidisciplinary dereplication processes, has emerged as a successful strategy to identify novel chemical entities and to shed light on the ecology and evolution of defensive associations.

Involved units

[Chemical Biology of Microbe-Host Interactions Christine Beemelmans](#) [Read more](#)

Leibniz-HKI-Authors



Christine Beemelmans

[Details](#)



Huijuan Guo

[Details](#)



Maja Rischer

[Details](#)

Topics

[Secondary metabolites from insect-associated microbes](#)

Identifier

doi: 10.3762/bjoc.12.34

PMID: 26977191