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Topics

[Pathogenicity and biodiversity of Mucorales](#)

Publications

Klapper M, Paschold A, Zhang S, Weigel C, Dahse HM, Götze S, Pace S, König S, Rao Z, Reimer L, Werz O, Stallforth P (2019) Bioactivity and mode of action of bacterial tetramic acids. *ACS Chem Biol* 14(8), 1693-1697.

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Benndorf R, Guo H, Sommerwerk E, Weigel C, Garcia-Altare M, Martin K, Hu H, Kuefner M, de Beer ZW, Poulsen M, Beemelmans C (2018) Natural products from Actinobacteria associated with fungus-growing termites. *Antibiotics* 7(3), 83.

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Dudek B, Schnurrer F, Dahse HM, Paetz C, Warskulat AC, Weigel C, Voigt K, Schneider B (2018) Formation of nudicaulins *In Vivo* and *In Vitro* and the biomimetic synthesis and bioactivity of O-methylated nudicaulin derivatives. *Molecules* 23(12), 3357.

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Guo H, Benndorf R, König S, Lechnitz D, Weigel C, Peschel G, Berthel P, Kaiser M, Steinbeck C, Werz O, Poulsen M, Beemelmans C (2018) Expanding the rubterolone family: Intrinsic reactivity and directed diversification of PKS-derived pyrans. *Chem Eur J* 24(44), 11319-11324.

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Guo H, Schmidt A, Stephan P, Raguž L, Braga D, Kaiser M, Dahse HM, Weigel C, Lackner G, Beemelmans C (2018) Precursor-directed diversification of cyclic tetrapeptidic pseudoxylallemycins. *ChemBioChem* 19(21), 2307-2311.

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Becker T, Pasteels J, Weigel C, Dahse HM, Voigt K, Boland W (2017) A tale of four kingdoms - isoxazolin-5-one- and 3-nitropropanoic acid-derived natural products. *Natural Product Reports* 34(4), 343-360.

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Guo H, Benndorf R, Lechnitz D, Klassen JL, Vollmers J, Görls H, Steinacker M, Weigel C, Dahse HM, Kaster AK, de Beer ZW, Poulsen M, Beemelmans C (2017) Isolation, biosynthesis and chemical modifications of rubterolones A–F, rare tropolone alkaloids from *Actinomadura* sp. 5-2. *Chem Eur J* 23(39), 9338-9345.

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Guo H, Rischer M, Sperfeld M, Weigel C, Menzel KD, Clardy J, Beemelmans C (2017) Natural products and morphogenic activity of γ -Proteobacteria associated with the marine hydroid polyp *Hydractinia echinata*. *Bioorg Med Chem* 25(22), 6088-6097.

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Guo H, Kreuzenbeck NB, Otani S, Garcia-Altare M, Dahse HM, Weigel C, Aanen DK, Hertweck C, Poulsen M, Beemelmans C (2016) Pseudoxylallemycins A-F, cyclic tetrapeptides with rare allenyl modifications isolated from *Pseudoxylaria* sp. X802: A competitor of fungus-growing termite cultivars. *Org Lett* 18, 3338-3341.

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Paetz C, Hammerbacher A, Menezes RC, Feistel F, Weigel C, Voigt K, Schneider B (2016) Chemical composition and antimicrobial activity of *Populus nigra* shoot resin. *Nat Prod Commun* 11(7), 989-992.

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