Dr. Sebastian Schieferdecker

Alumni

Publications

Schieferdecker S, Bernal FA, Wojtas KP, Keiff F, Li Y, Dahse HM, Kloss F (2022) Development of predictive classification models for whole cell antimycobacterial activity of benzothiazinones. *J Med Chem* 65(9), 6748-6763.

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Ishida K, Shabuer G, Schieferdecker S, Pidot SJ, Stinear TP, Knuepfer U, Cyrulies M, Hertweck C (2020) Oak-associated negativicute equipped with ancestral aromatic polyketide synthase produces antimycobacterial dendrubins. *Chem Eur J* 26(58), 13147-13151.

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Schieferdecker S, Shabuer G, Knuepfer U, Hertweck C (2019) Clostrindolin is an antimycobacterial pyrone alkaloid from *Clostridium beijerinckii*. *Org Biomol Chem* 17(25), 6119-6121.

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Schieferdecker S, Shabuer G, Letztel AC, Urbansky B, Ishida-Ito M, Ishida K, Cyrulies M, Dahse HM, Pidot S, Hertweck C (2019) Biosynthesis of diverse antimicrobial and antiproliferative acyloins in anaerobic bacteria. *ACS Chem Biol* 14(7), 1490-1497.

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Baldeweg F, Kage H, Schieferdecker S, Allen C, Hoffmeister D, Nett M (2017) Structure of ralsolamycin, the inter-kingdom morphogen of the crop plant pathogen *Ralstonia solanacearum* GMI1000. *Org Lett* 19, 4868-4871.

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Kloss F, Krchnak V, Krchnakova A, Schieferdecker S, Dreisbach J, Krone V, Möllmann U, Hoelscher M, Miller MJ (2017) *In Vivo* Dearomatization of the Potent Antituberculosis Agent BTZ043 via Meisenheimer Complex Formation. *Angew Chem Int Ed* 56(8), 2187-2191.

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Kalb D, Heinekamp T, Schieferdecker S, Nett M, Brakhage AA, Hoffmeister D (2016) An Iterative O-Methyltransferase Catalyzes 1,11-Dimethylation of *Aspergillus fumigatus* Fumaric Acid Amides. *ChemBioChem* 17, 1813-1817.

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Kurth C, Schieferdecker S, Athanasopoulou K, Seccareccia I, Nett M (2016) Variochelins, lipopeptide siderophores from *Variovorax boronicumulans* discovered by genome mining. *J Nat Prod* 79(4), 865-872.

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Schaible AM, Filosa R, Krauth V, Temml V, Pace S, Garscha U, Liening S, Weinigel C, Rummler S, Schieferdecker S, Nett M, Peduto A, Collarile S, Scuotto M, Roviezzo F, Spaziano G, de Rosa M, Stuppner H, Schuster D, D'Agostino B, Werz O (2016) The 5-lipoxygenase inhibitor RF-22c

potently suppresses leukotriene biosynthesis in cellulo and blocks bronchoconstriction and inflammation *in vivo*. *Biochem Pharmacol* 112, 60-71.

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Schieferdecker S, Nett M (2016) A fast and efficient method for the preparation of the 5-lipoxygenase inhibitor myxochelin A. *Tetrahedron Lett* 57, 1359-1360.

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Publication list as PDF