

Luka Raguz

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Projects

Former Projects

Modular synthetic approaches towards natural sphingoid base-type signaling molecules
Details

Publications

Bissell AU, Rautschek J, Hoefgen S, Raguž L, Mattern DJ, Saeed N, Janevska S, Jojić K, Huang Y, Kufs JE, Herboeck B, Guo H, Hillmann F, Beemelmanns C, Valiante V (2022) Biosynthesis of the Sphingolipid Inhibitors Sphingofungins in Filamentous Fungi Requires Aminomalonate as a Metabolic Precursor. *ACS Chem Biol* , Details PubMed

Leichnitz D, Peng CC, Raguz L, Rutaganira F, Jautzus T, Regestein L, King N, Beemelmanns C (2021) Structural and functional analysis of bacterial sulfonosphingolipids and rosette-inducing factor 2 (RIF-2) by mass spectrometry-guided isolation and total synthesis. *Chemistry* , Details PubMed

Raguž L, Peng CC, Kaiser M, Görls H, Beemelmanns C (2021) A Modular Approach to the Antifungal Sphingofungin Family: Concise Total Synthesis of Sphingofungin A and C. *Angew Chem Int Ed Engl* ,

Details PubMed

Roman D, Raguž L, Keiff F, Meyer F, Barthels F, Schirmeister T, Kloss F, Beemelmanns C (2020) Modular Solid-Phase Synthesis of Antiprotozoal Barnesin Derivatives. *Org Lett* , Details PubMed

Guo H, Schmidt A, Stephan P, Raguž L, Daniel Braga D, Kaiser M, Dahse HM, Weigel C, Lackner G, Beemelmanns C (2018) Precursor-directed Diversification of Cyclic Tetrapeptidic Pseudoxylallemycins. *Chembiochem* 19(21), 2307-2311. Details PubMed

Rischer M, Raguž L, Guo H, Keiff F, Diekert G, Goris T, Beemelmanns C (2018) Biosynthesis, Synthesis, and Activities of Barnesin A, a NRPS-PKS Hybrid Produced by an Anaerobic Epsilonproteobacterium. *ACS Chem Biol* 13(8), 1990-1995. Details PubMed

Leichnitz D, Raguž L, Beemelmanns C (2017) Total synthesis and functional analysis of microbial signalling molecules. *Chem Soc Rev* 46(20), 6330-6344. Details PubMed