Structural investigation of the lipopolysaccharide O-chain isolated from *Burkholderia fungorum* strain DSM 17061.

De Felice A, Di Lorenzo F, Scherlach K, Ross C, Silipo A, Hertweck C, Molinaro A (2016) Structural investigation of the lipopolysaccharide O-chain isolated from *Burkholderia fungorum* strain DSM 17061. *Carbohydr Res* 433, 31-35.

Details

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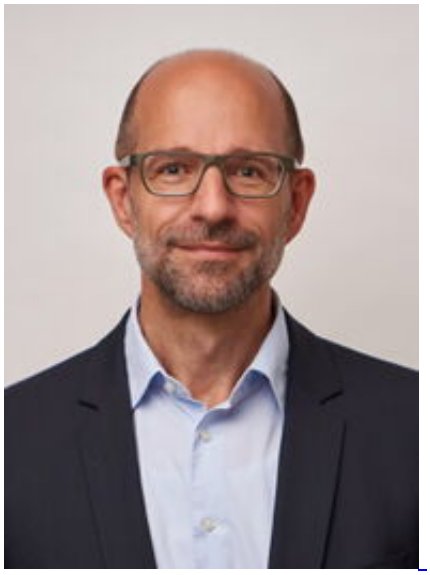
Abstract

Gram-negative bacteria exhibit lipopolysaccharides (LPSs) on their outer membrane surface. LPS is considered one of the most potent bacterial virulence factors. Here we report the elucidation of the LPS O-chain structure isolated from Burkholderia fungorum, a bacterium isolated from the white-rot fungus Phanerochaete chrysosporium that can act as a pathogen for plants and domesticated animals. The structure was determined by the employment of detailed chemical and NMR spectroscopy analyses as the following.

Beteiligte Forschungseinheiten

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