New myxothiazols from the predatory bacterium *Myxococcus fulvus*.

Schieferdecker S, Exner TE, Gross H, Roth M, Nett M (2014) New myxothiazols from the predatory bacterium *Myxococcus fulvus*. *J Antibiot* 67(7), 519-525.

Abstract

Extracts of the predatory bacterium Myxococcus fulvus HKI 722 showed promising antimicrobial activities in the agar diffusion assay. A combined chemical and computational analysis led to the identification of five thiazole-containing antibiotics. Two of the isolated compounds represent previously unrecognized members of the myxothiazol family of natural products. Their antibiotic properties were determined in comparison with those of the known myxothiazols A and Z.The Journal of Antibiotics advance online publication, 2 April 2014; doi:10.1038/ja.2014.31.

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