Natural 1,3-Dipolar Cycloadditions.

Baunach M, Hertweck C (2015) Natural 1,3-Dipolar Cycloadditions. *Angew Chem Int Ed Engl.* 54(43), 12550-12552. (Review)

Details

PubMed

Abstract

[3+2] in the wild: Biomimetic natural product syntheses and theoretical considerations have indicated that 1,3-dipolar cycloadditions take place in nature. Now, the structure, biosynthesis, and function of a heavily modified prenylated flavin cofactor have been elucidated. In the azomethine ylide form, it undergoes [3+2] cycloadditions with aromatic acids and promotes their decarboxylation.

Beteiligte Forschungseinheiten

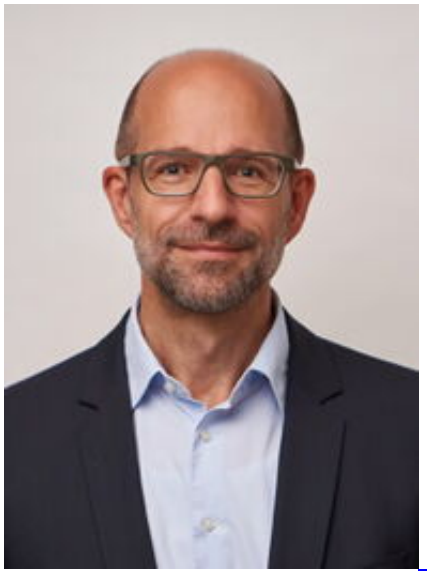
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