

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](#)



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

Leibniz-HKI-Autor*innen



Martin Baunach

[Details](#)



Christian Hertweck

[Details](#)

Identifier

doi: 10.1002/anie.201507120

PMID: 26465651